

FIG. 1

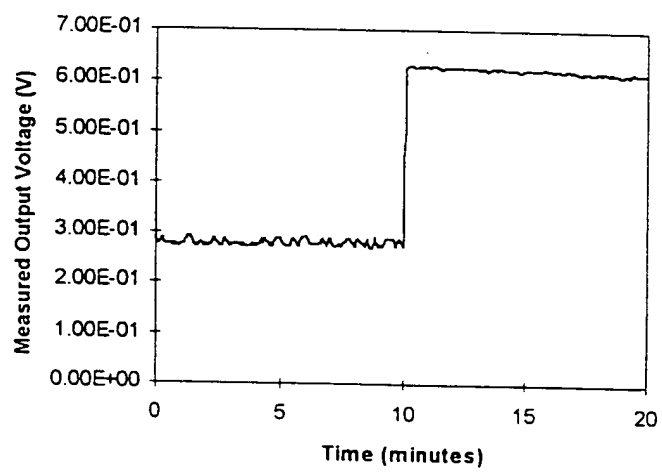


FIG. 2

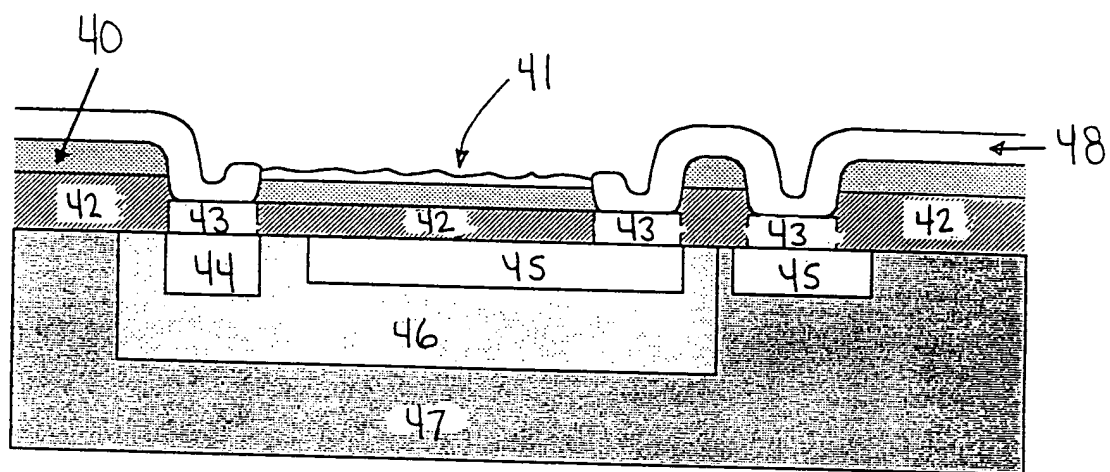


FIG. 3A

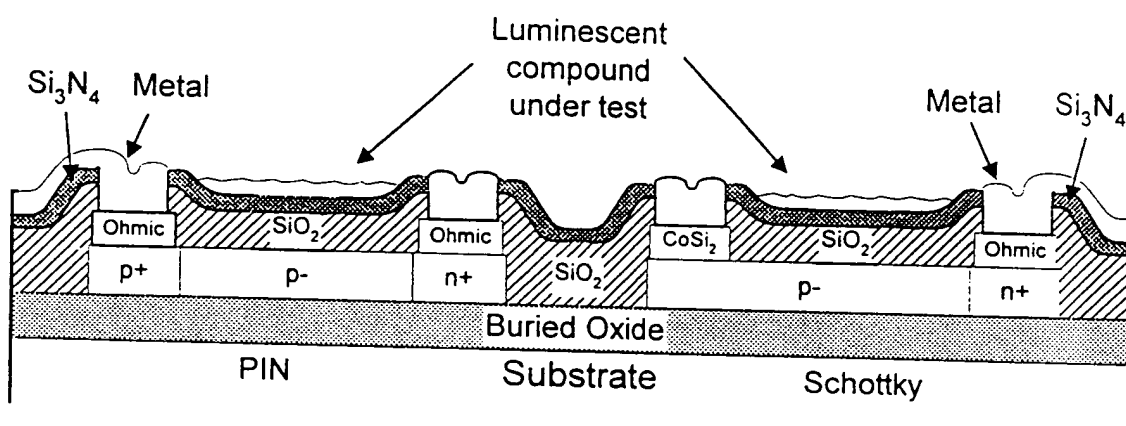


FIG. 3B

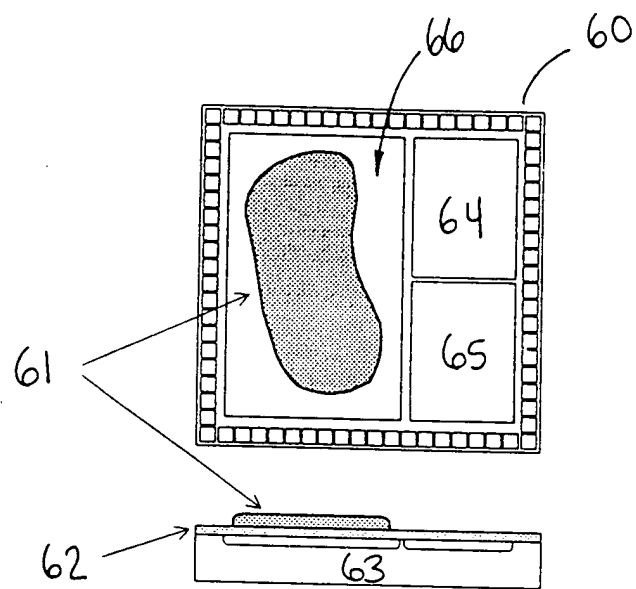


FIG. 4

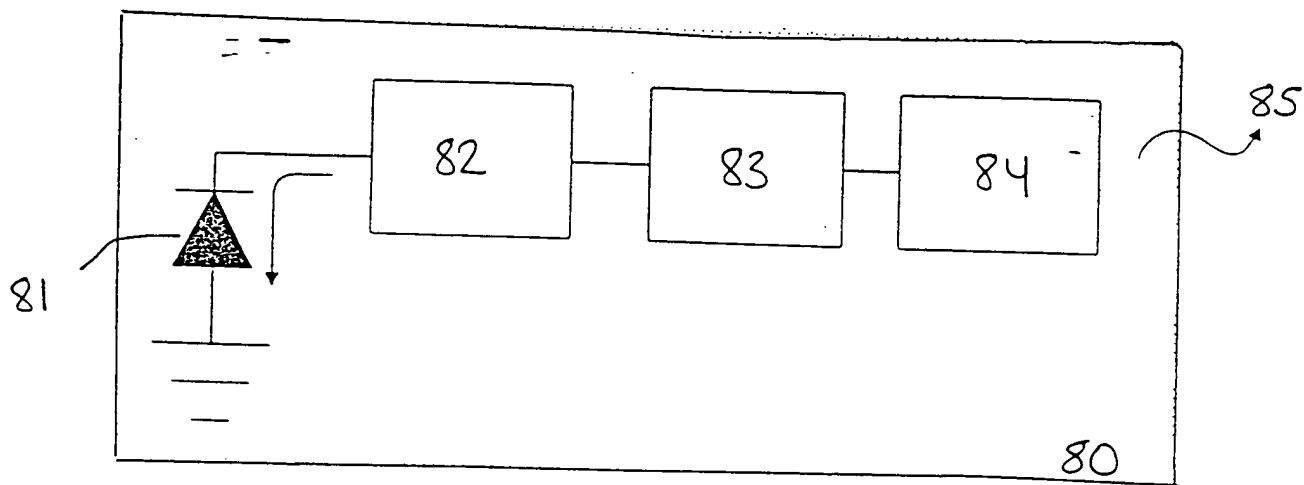


FIG. 5

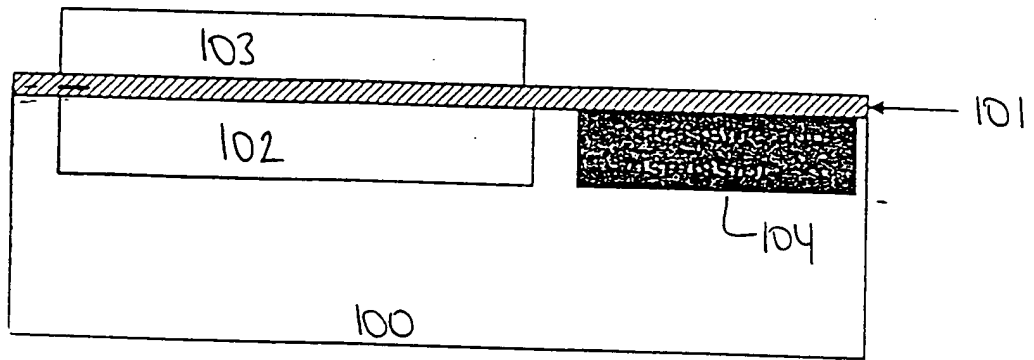


FIG. 6

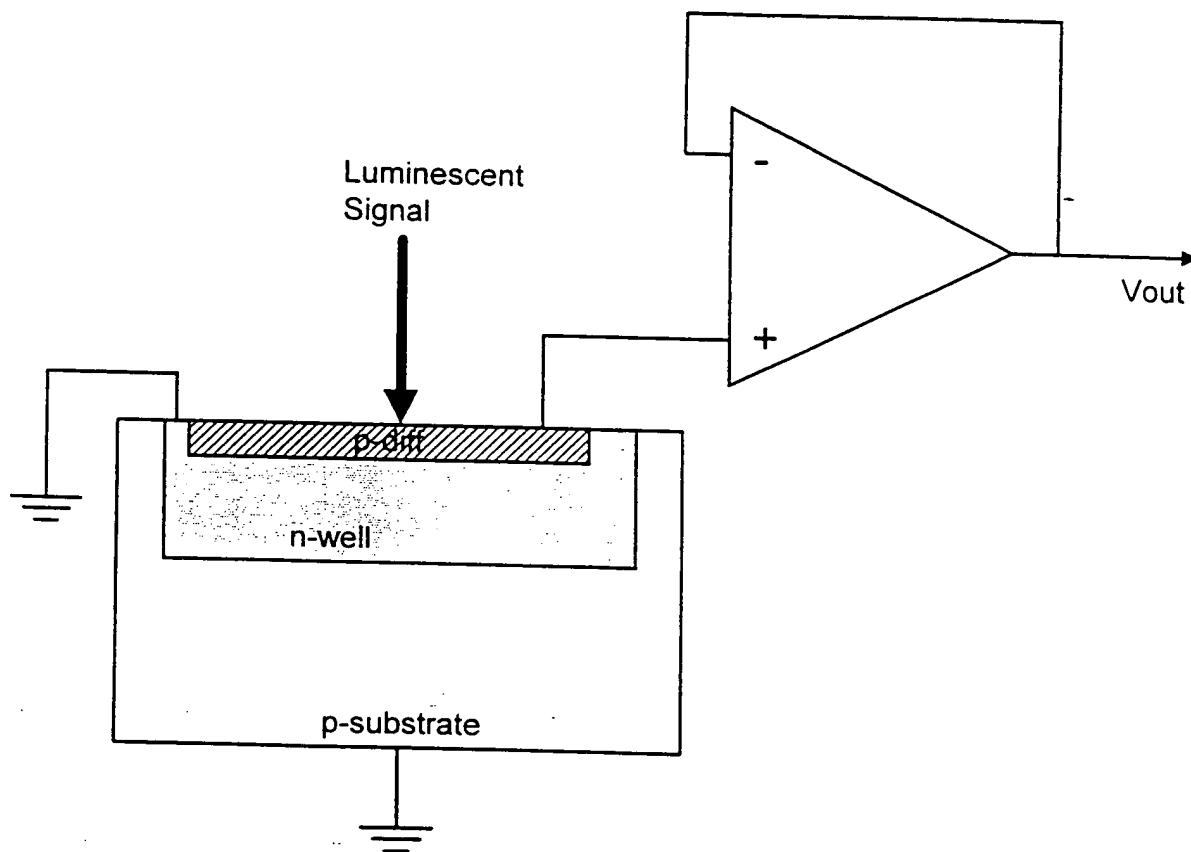


FIG. 7A

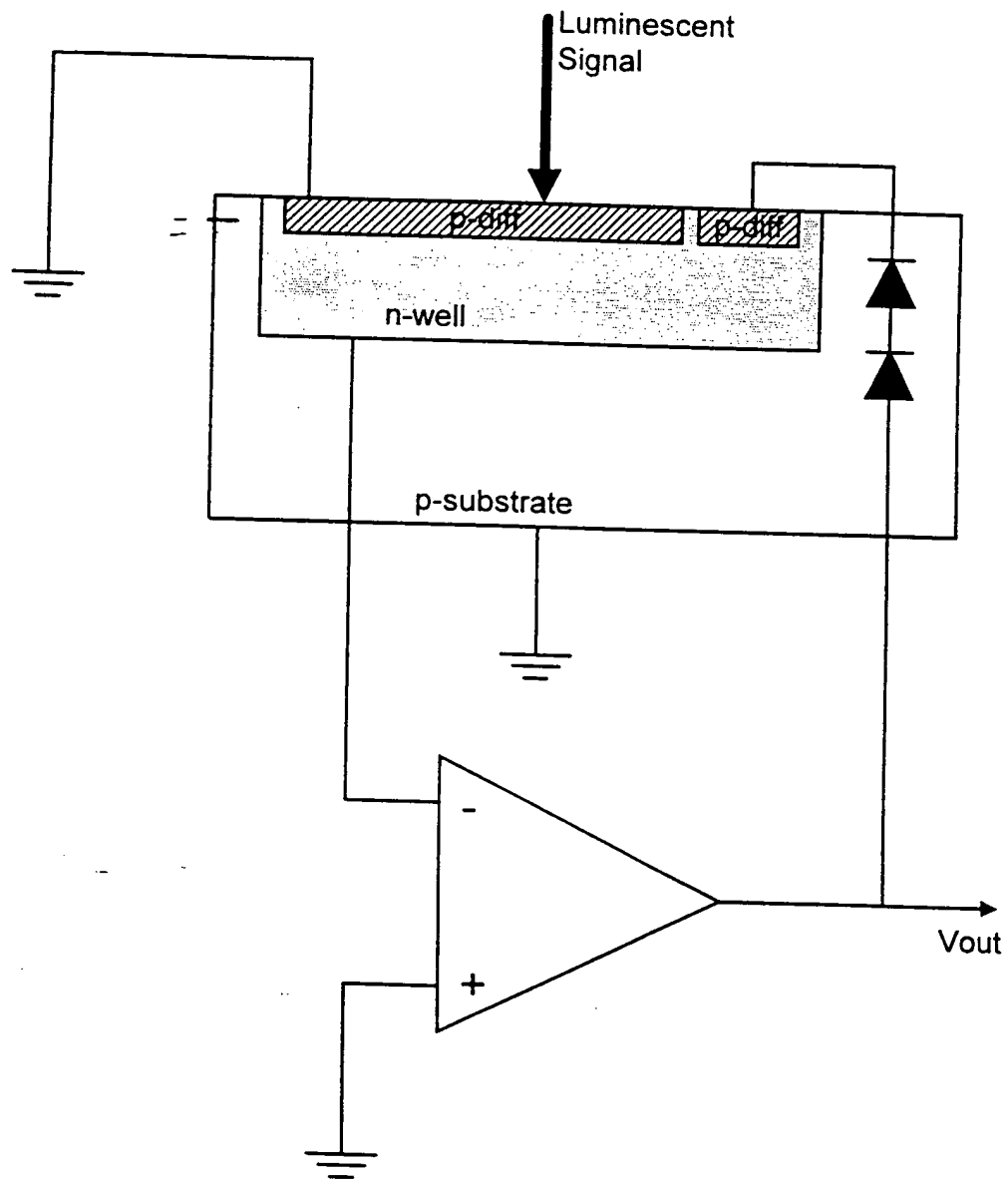


FIG. 7B

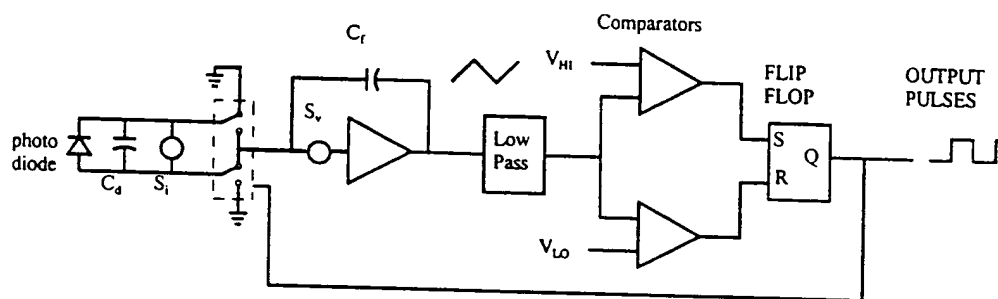


FIG. 7C

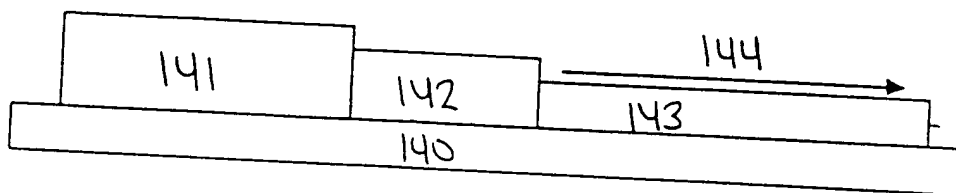


FIG. 8

FIG. 9A

A	B	C
D	E	F
G	H	I
J	K	L

FIG. 9B

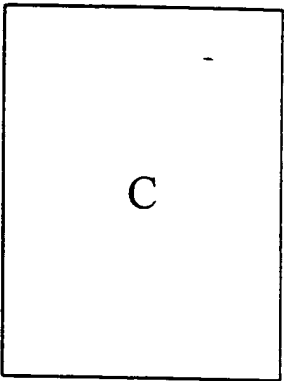
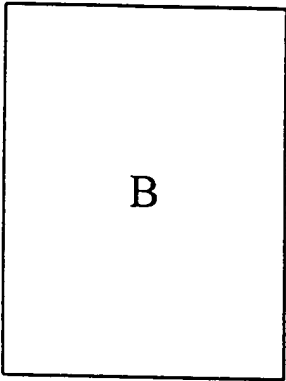
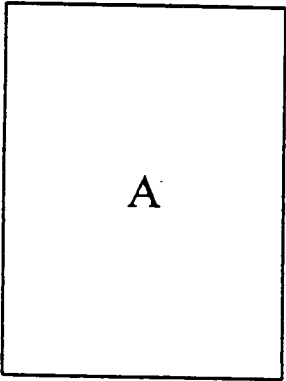


FIG. 9C

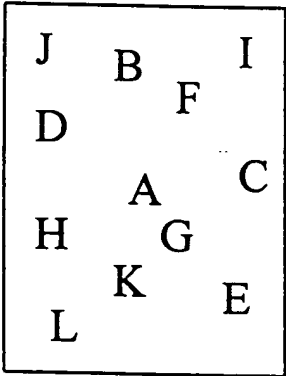
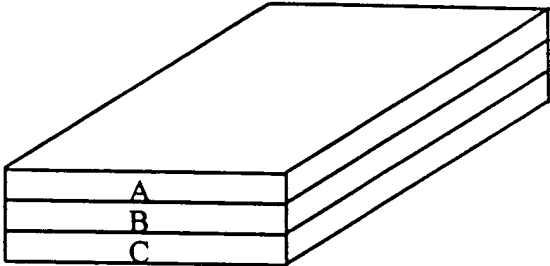
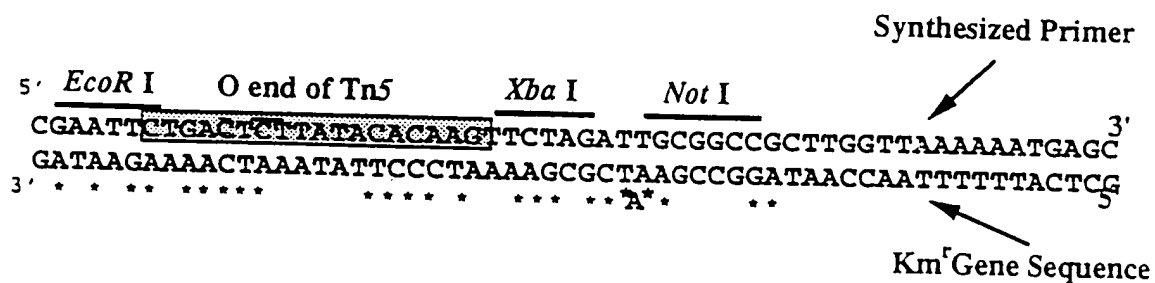


FIG. 9D



THE
WORLD'S
LARGEST
BOOKSTORE



Primers for pLJS

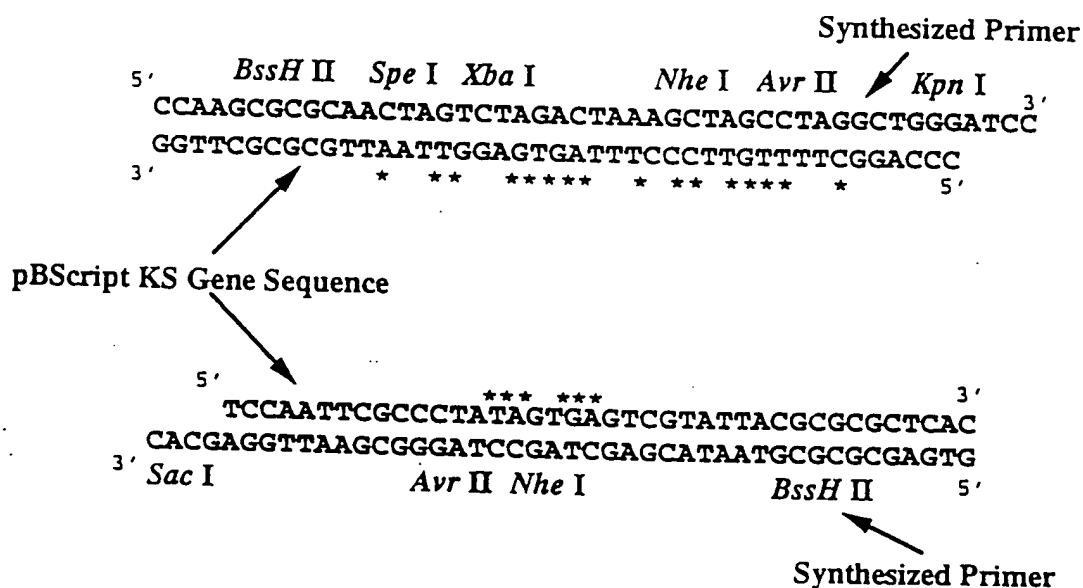


FIG. 10

* Denotes base pair mismatch

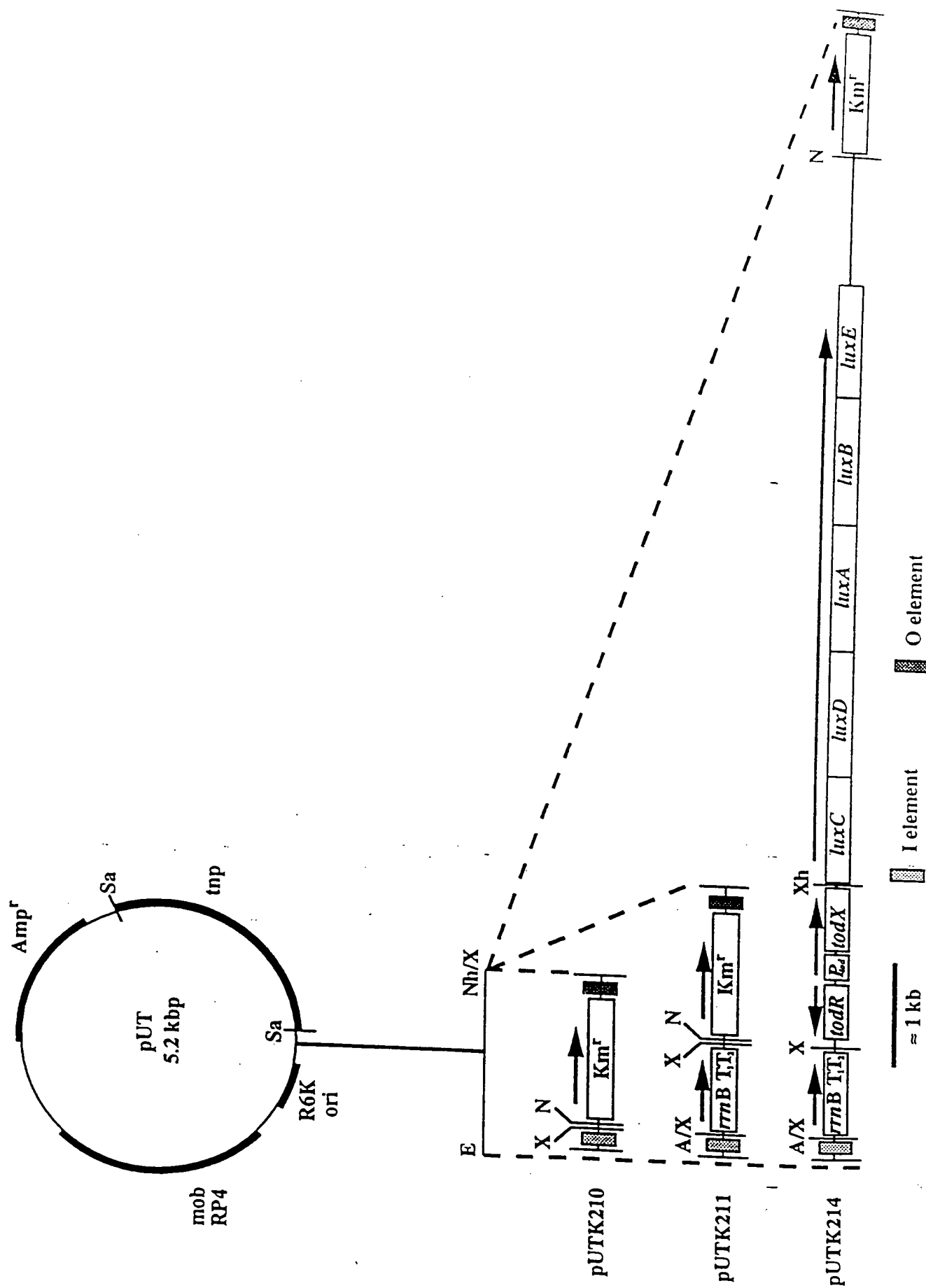
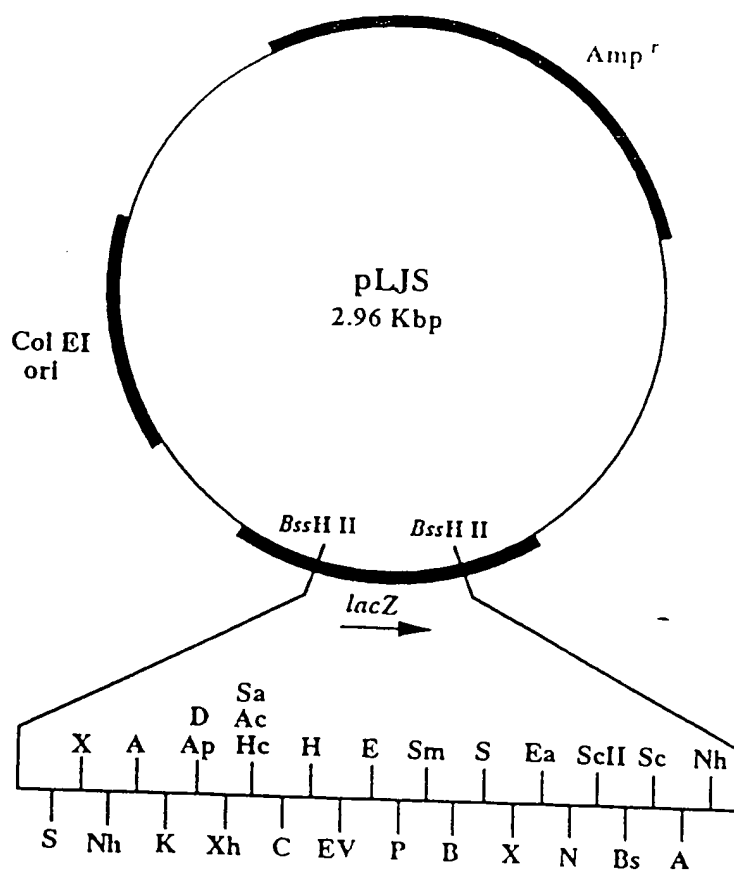


FIG. 11

FIG. 12



002150" T8509960

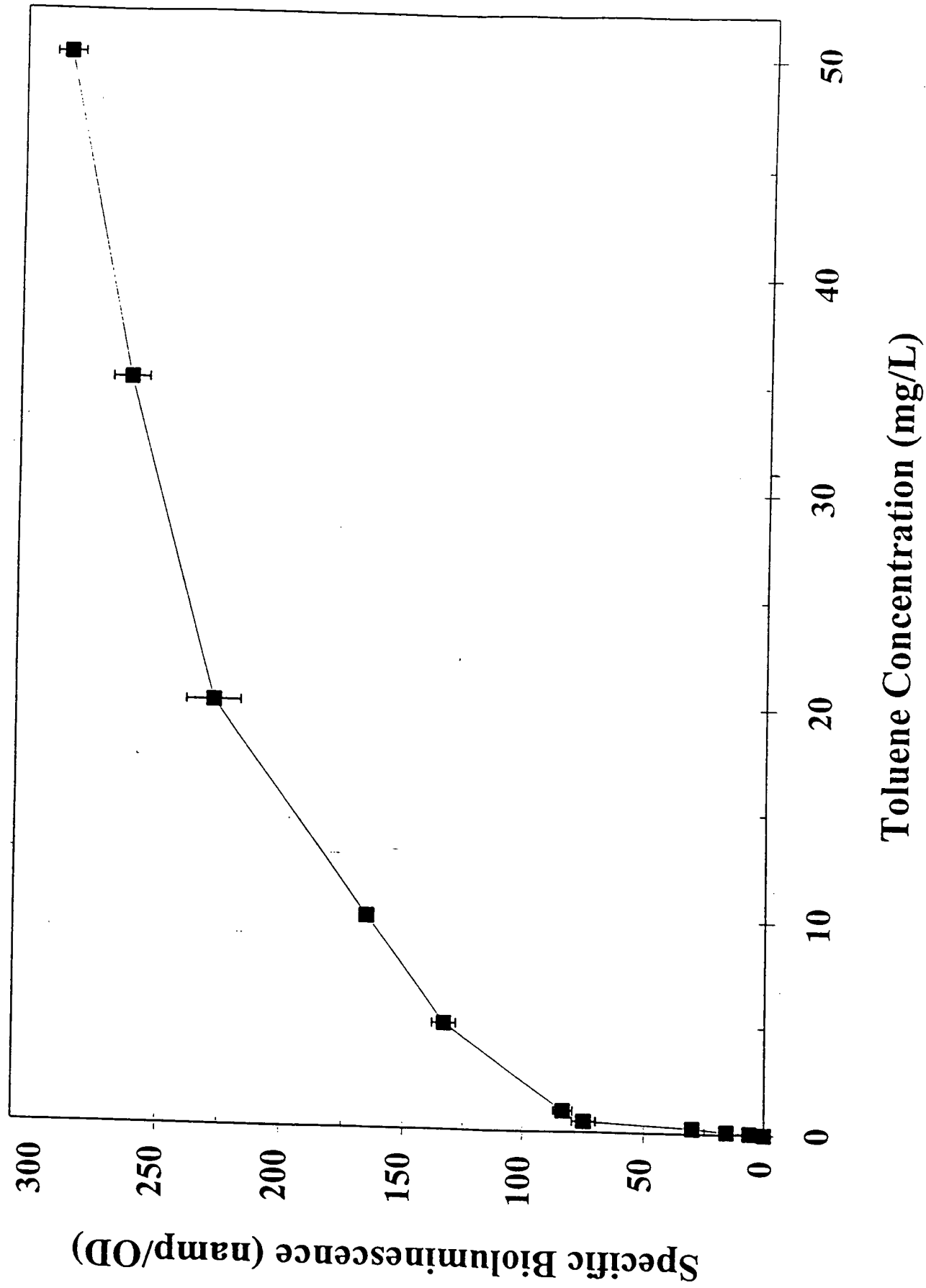


FIG. 13

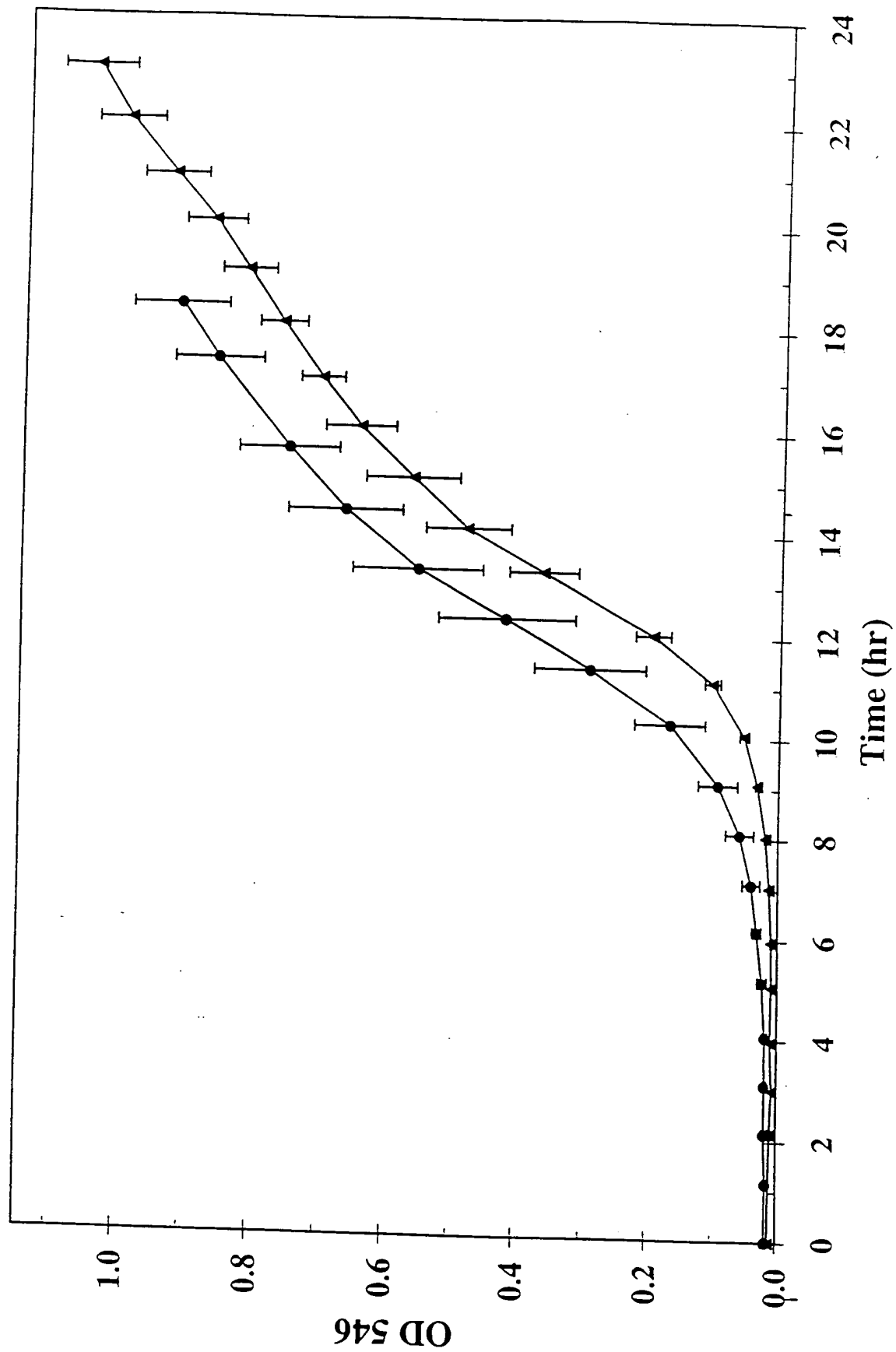


FIG. 14

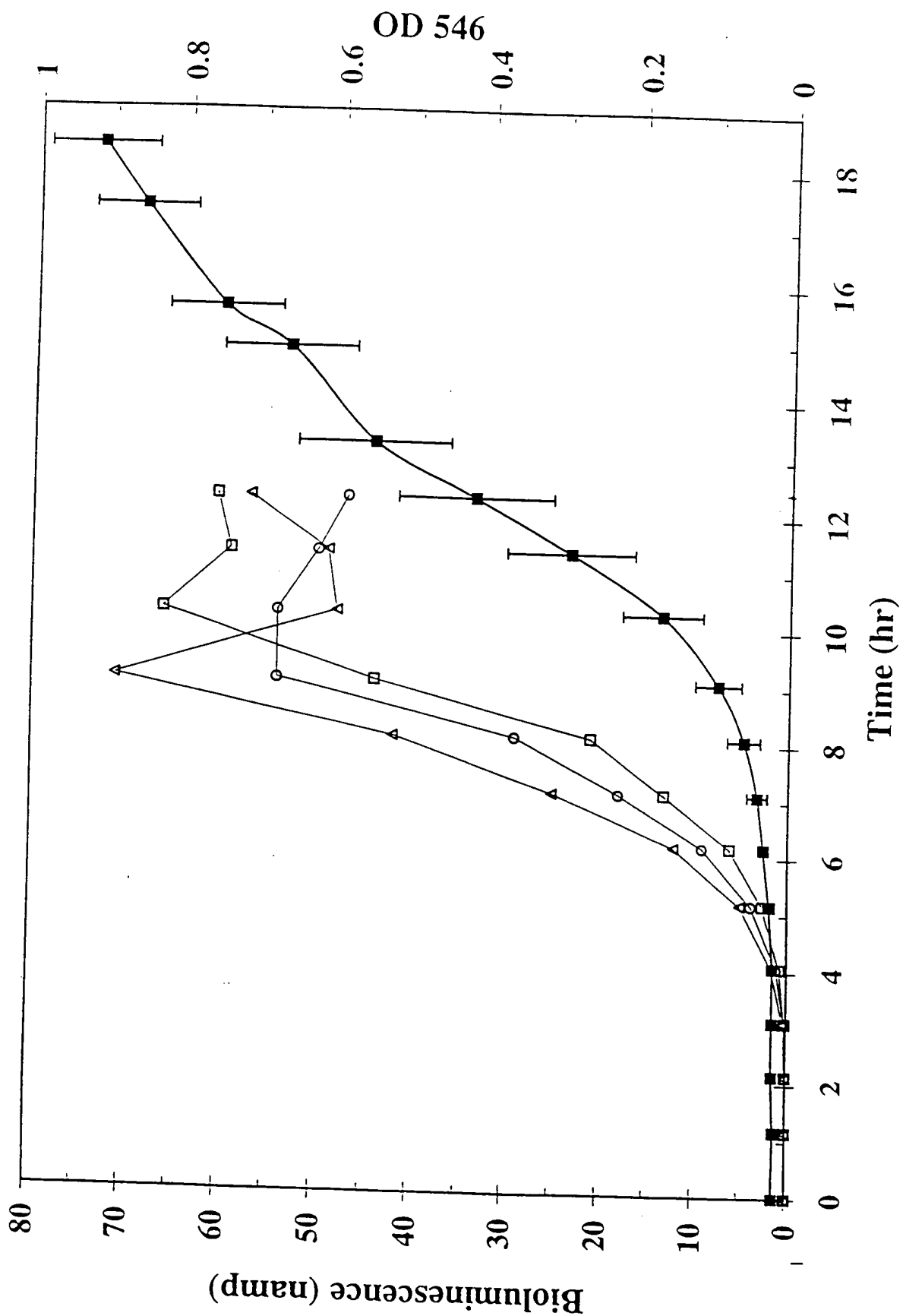


FIG. 15

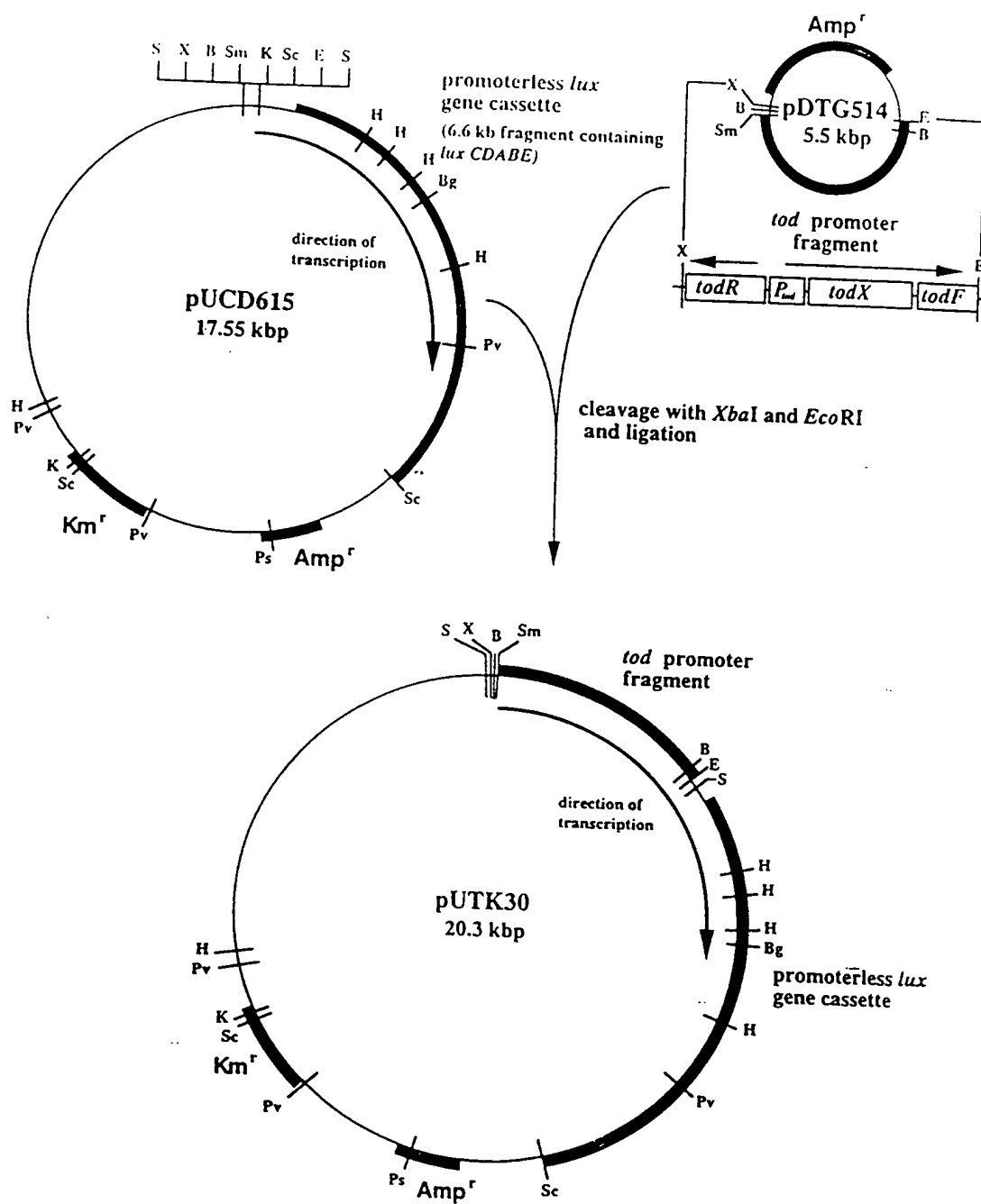


FIG. 16

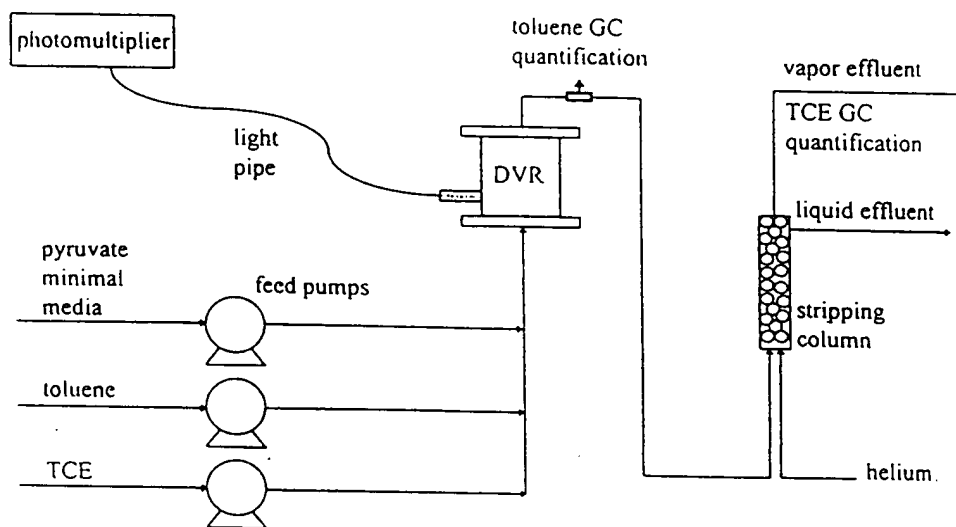


FIG. 17

Figure 1 is a line graph showing the effect of Jet Fuel (Toluene mg/L) on bioluminescence (namp) for two bacterial strains, *B. subtilis* (open circles) and *B. pumilus* (filled circles). The x-axis has two scales: Jet Fuel (Toluene mg/L) from 0 to 0.3, and Toluene (mg/L) from 0 to 60. The y-axis is Bioluminescence (namp) from 0 to 120. *B. subtilis* shows a sharp increase in bioluminescence with Jet Fuel, reaching a plateau around 85 namp. *B. pumilus* shows a much lower, more gradual increase, reaching about 28 namp at 0.2 mg/L Jet Fuel. Error bars are shown for each data point.

Jet Fuel (Toluene mg/L)	Toluene (mg/L)	<i>B. subtilis</i> (namp)	<i>B. pumilus</i> (namp)
0	0	0	0
0.01	1	18	15
0.02	2	45	15
0.05	5	83	18
0.1	10	88	20
0.2	20	88	28
0.25	25	88	-

FIG. 18

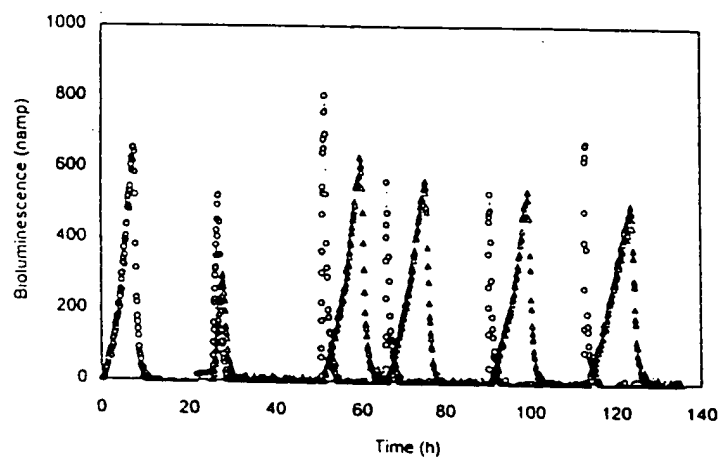


FIG. 19

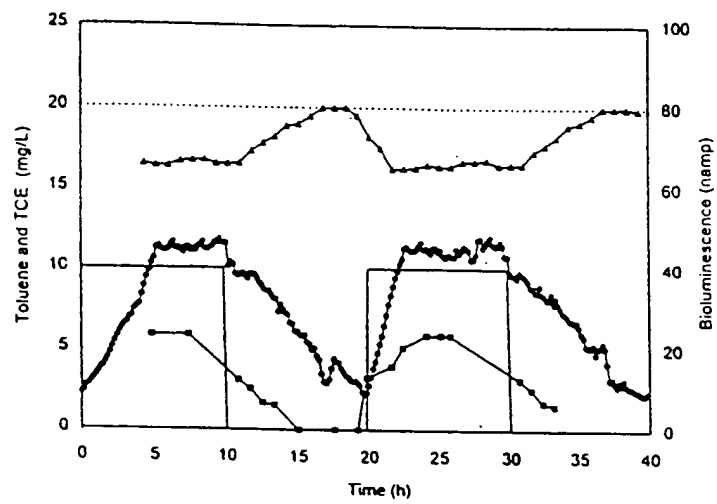


FIG. 20

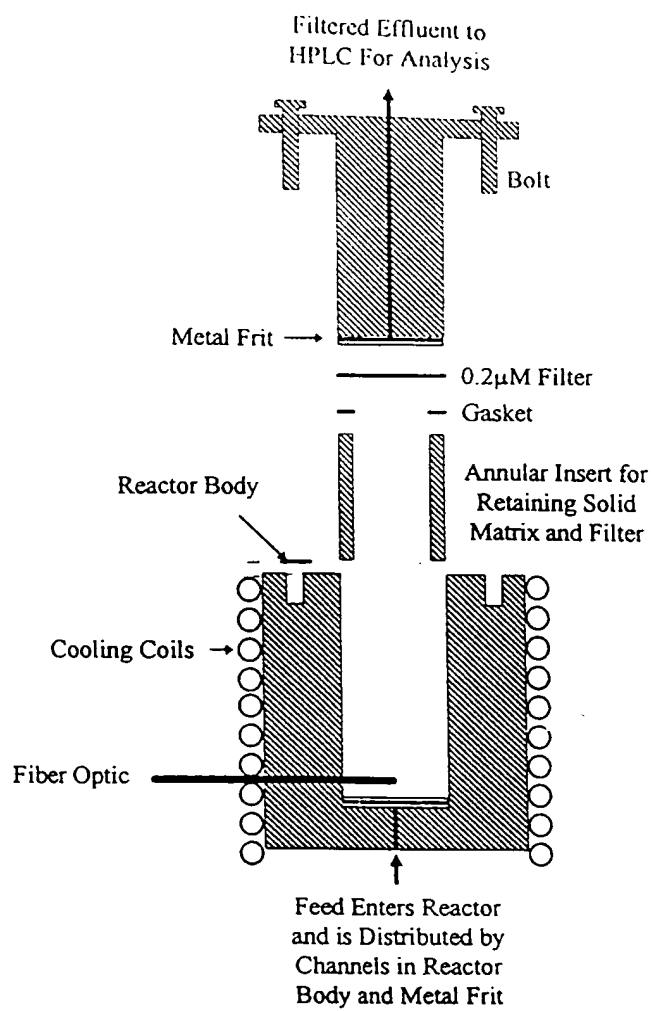


FIG. 21

002160" T3509960

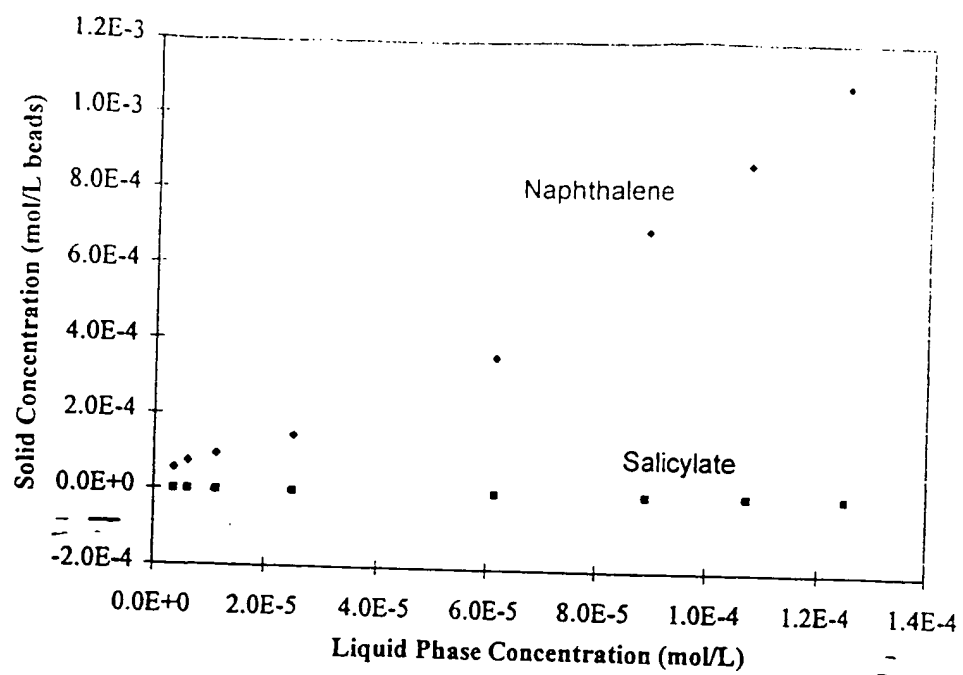


FIG. 22

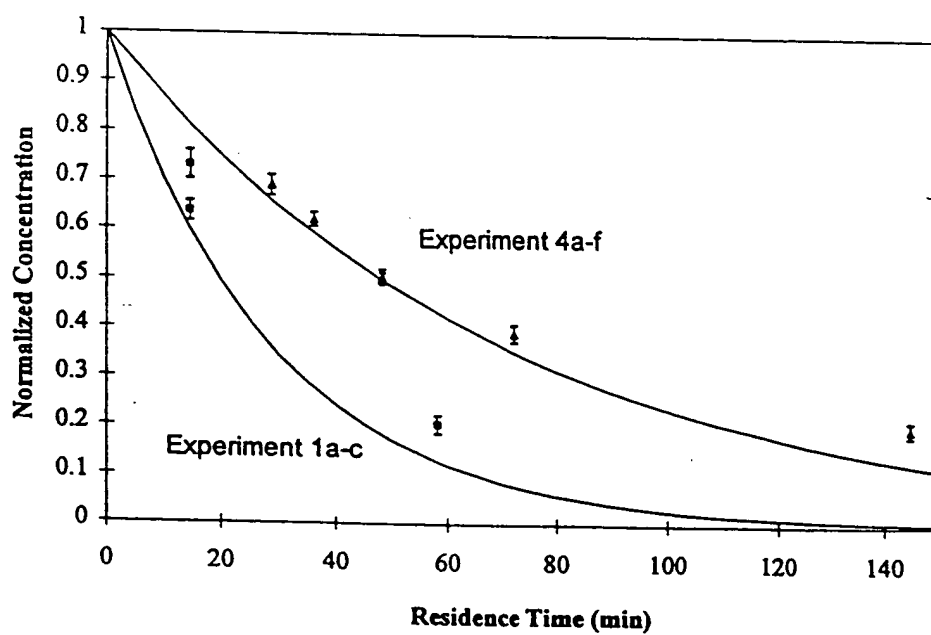


FIG. 23

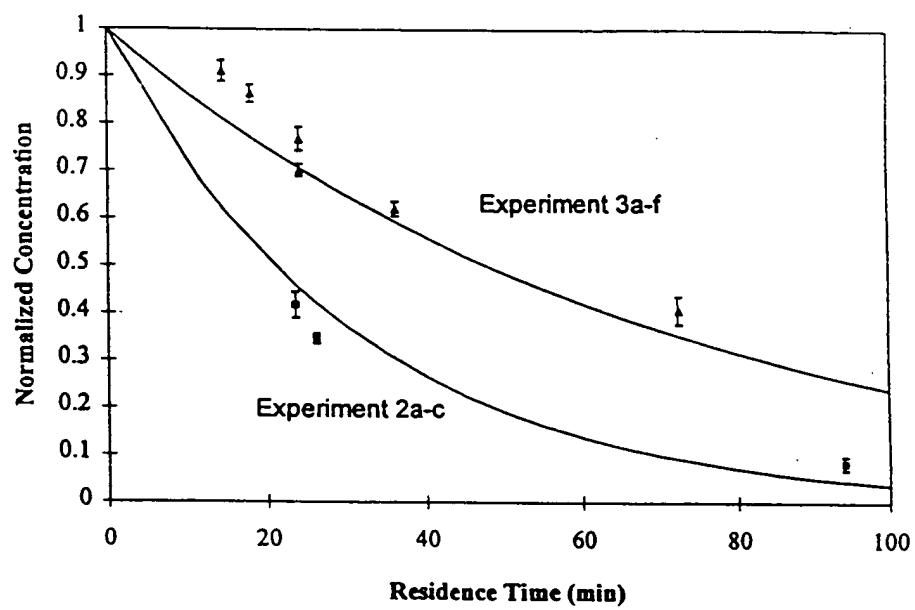


FIG. 24

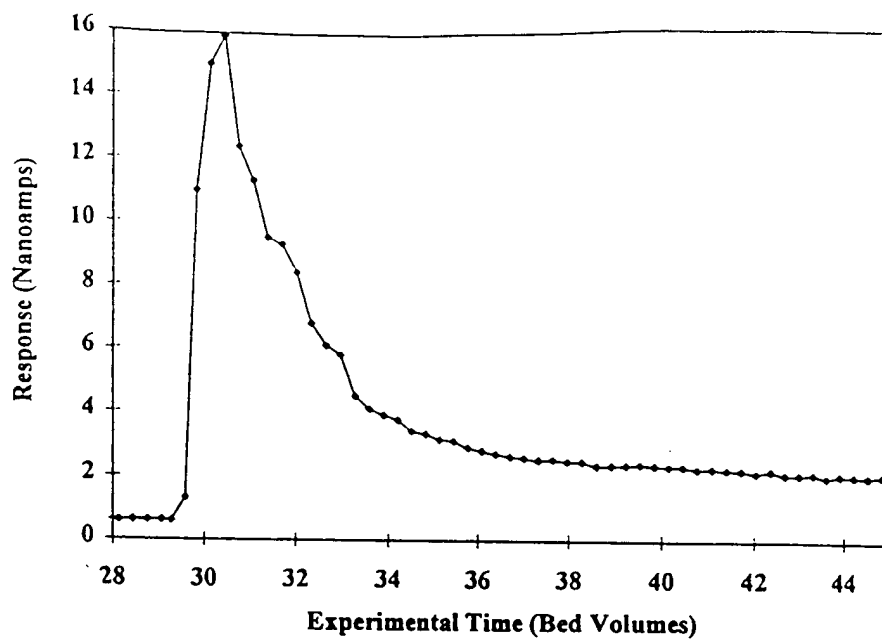


FIG. 25

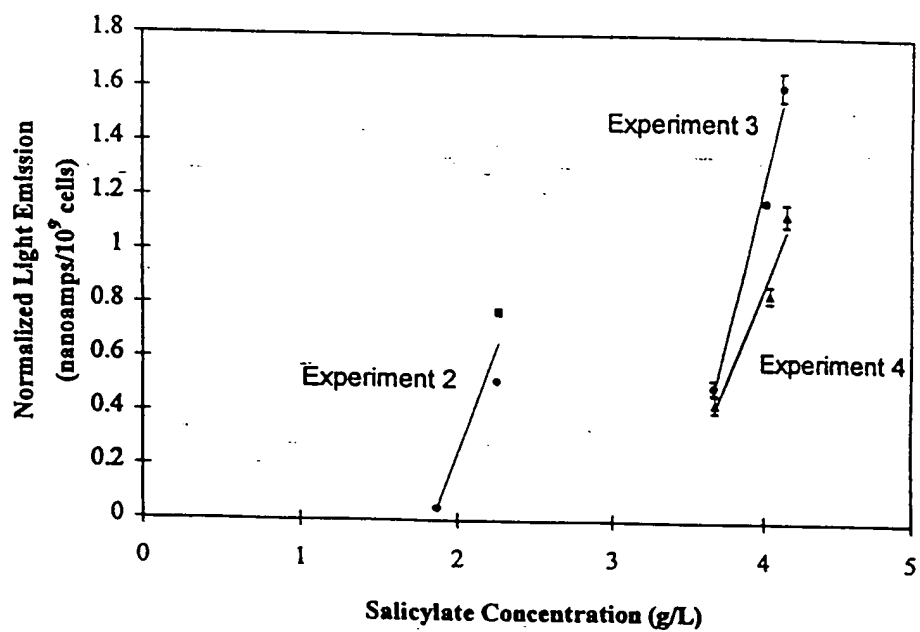


FIG. 26

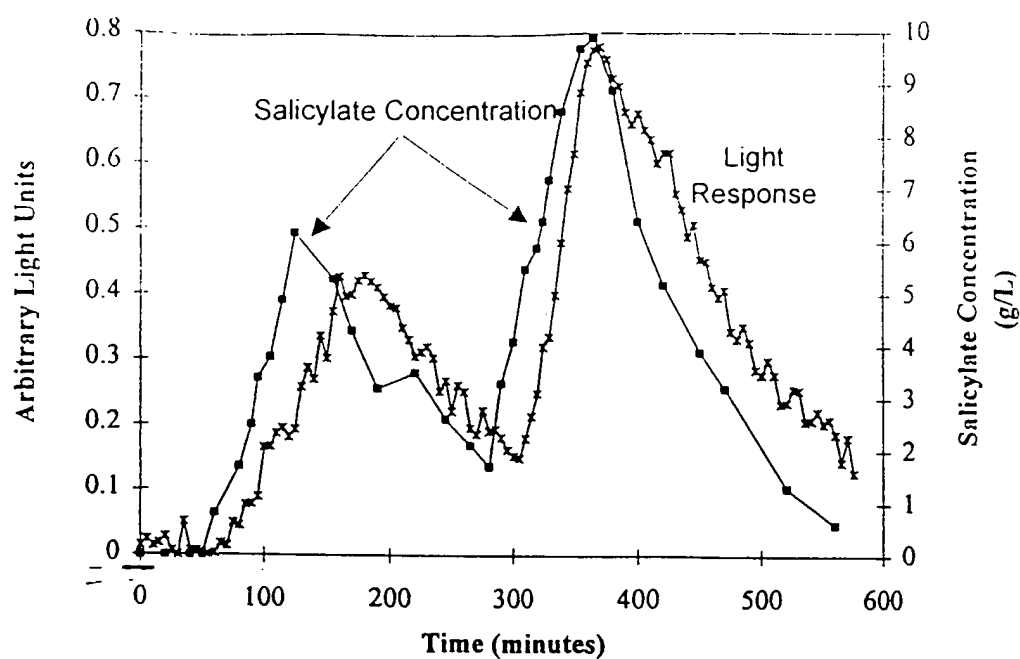
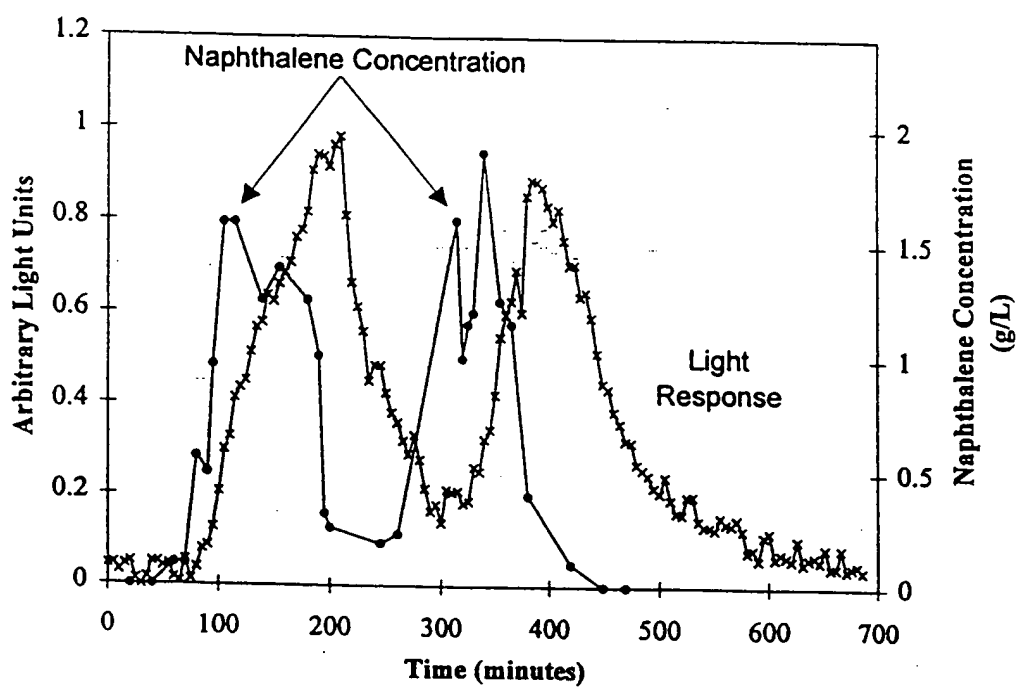


FIG. 27

**FIG. 28**

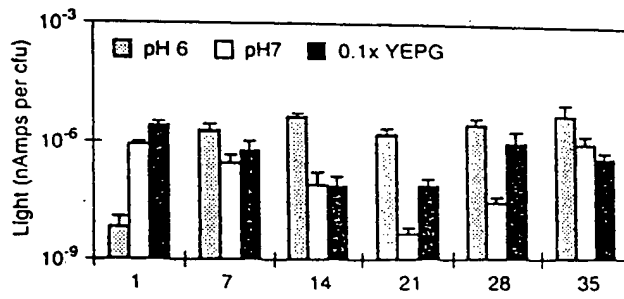


FIG. 29A

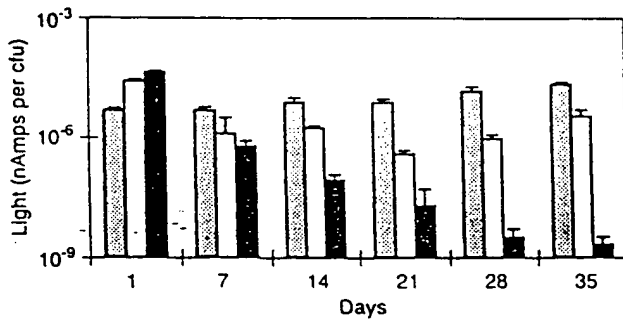


FIG. 29B

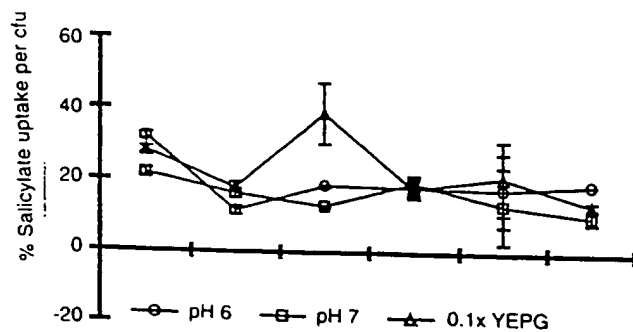


FIG. 30A

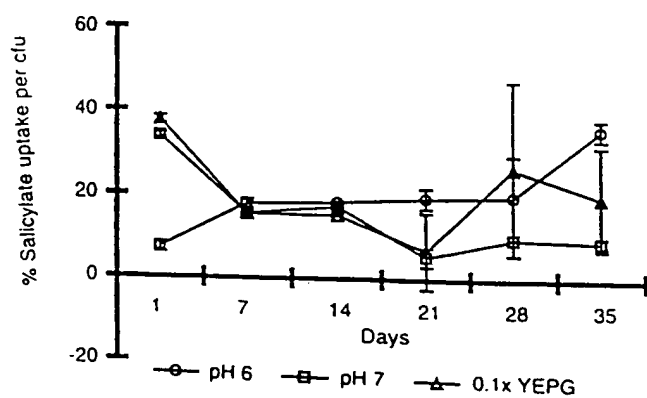


FIG. 30B

002160-13509960

Fig. 3 Population of HK44 in alginate beads. The logarithm of the number of colony-forming units/alginate beads is shown

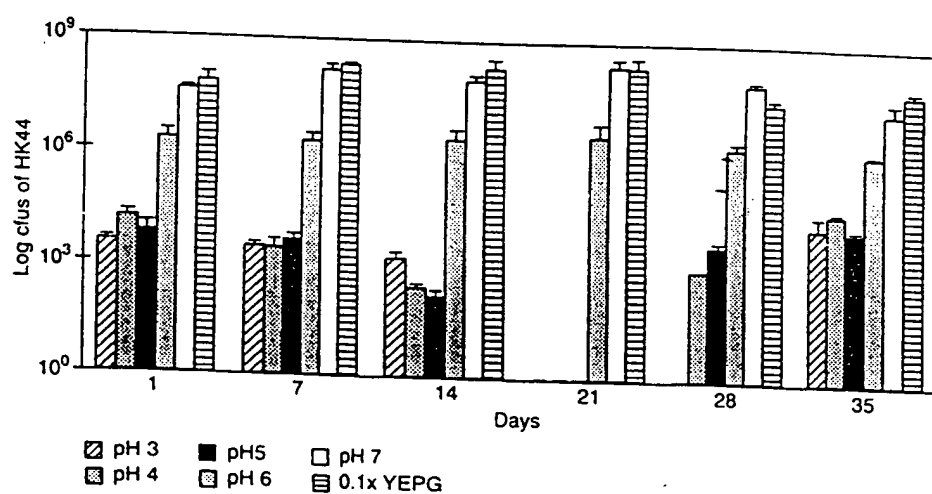


FIG. 31

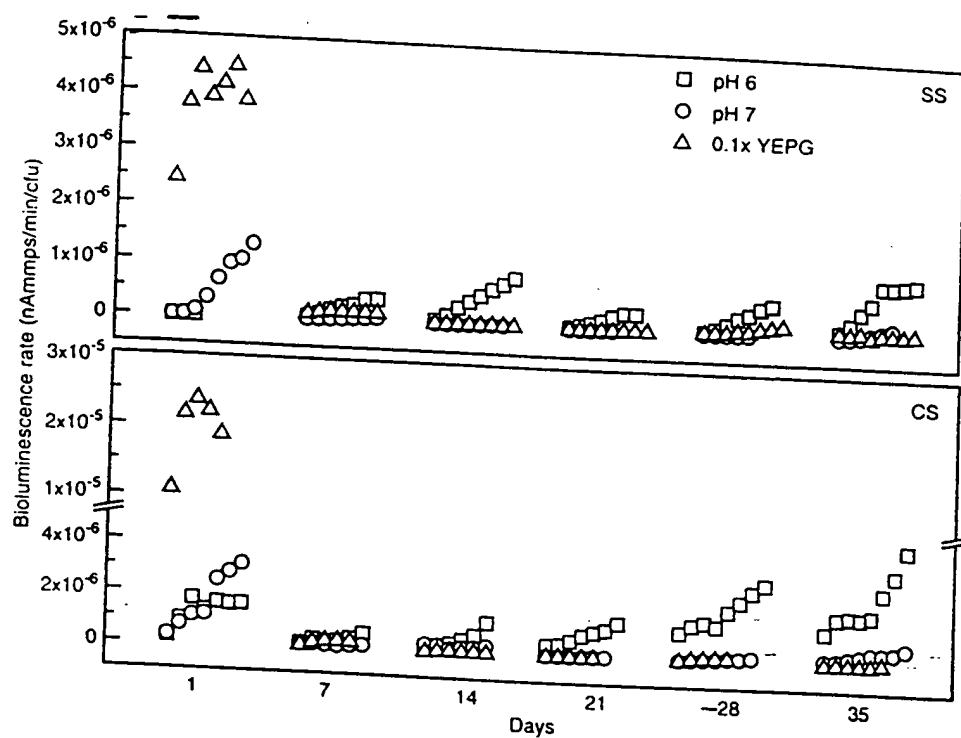
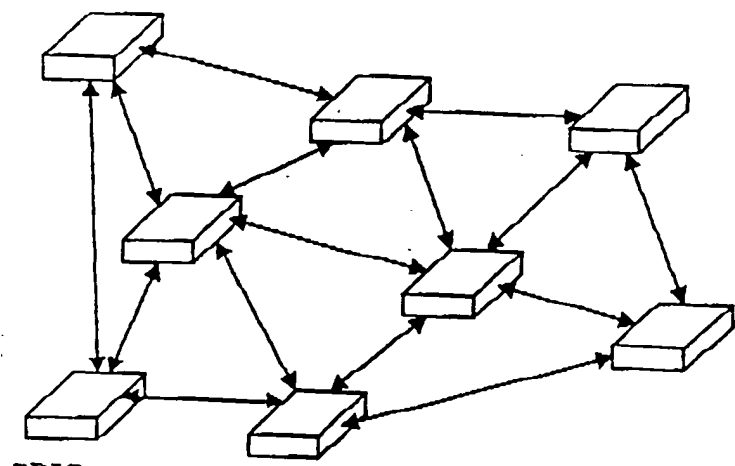


FIG. 32

002T60" T8509960



FIG. 33



BBICs connected together in a distributed neural network

FIG. 34

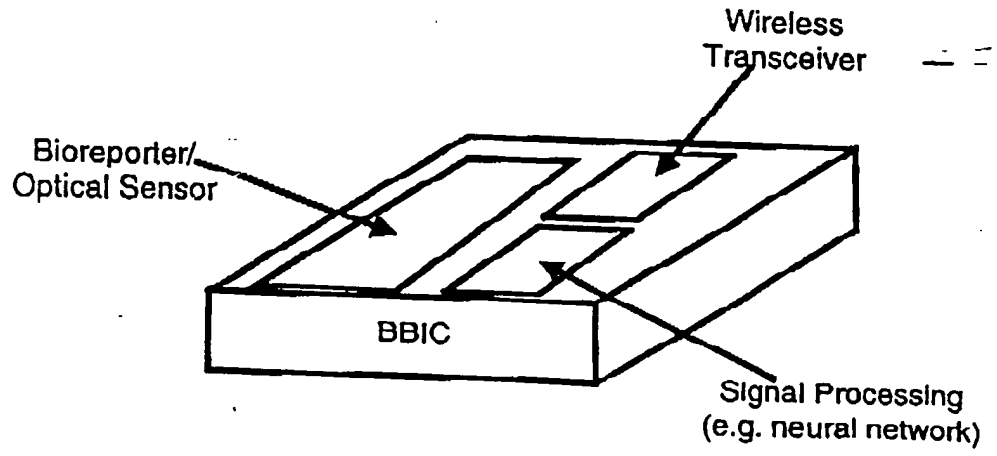


FIG. 35

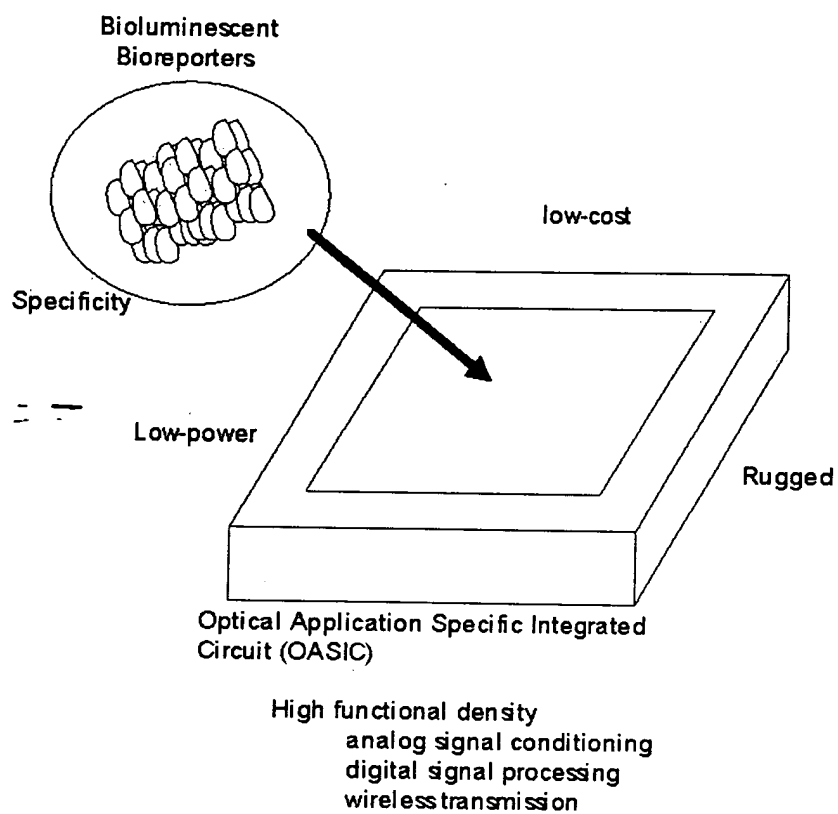


FIG. 36

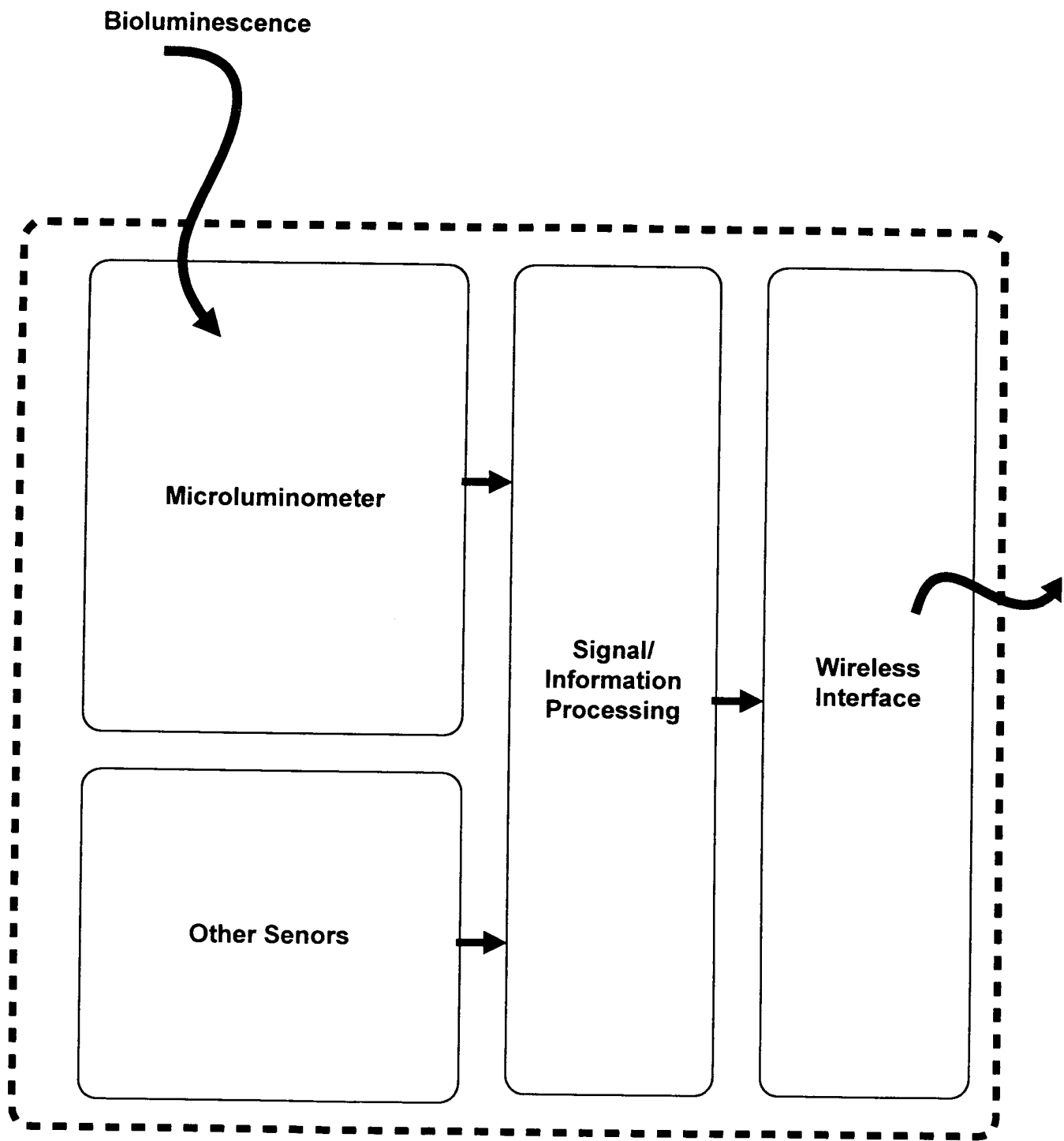


FIG. 37

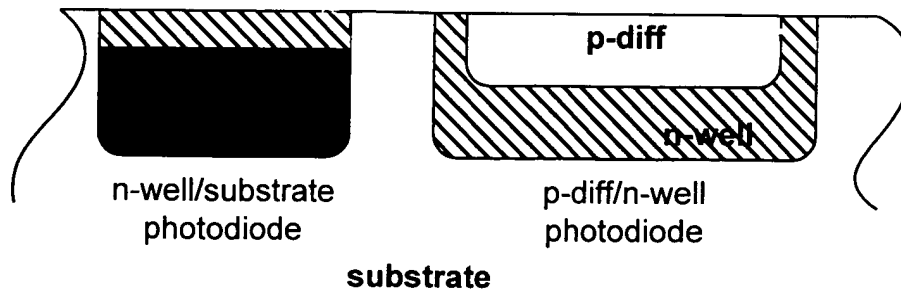


FIG. 38

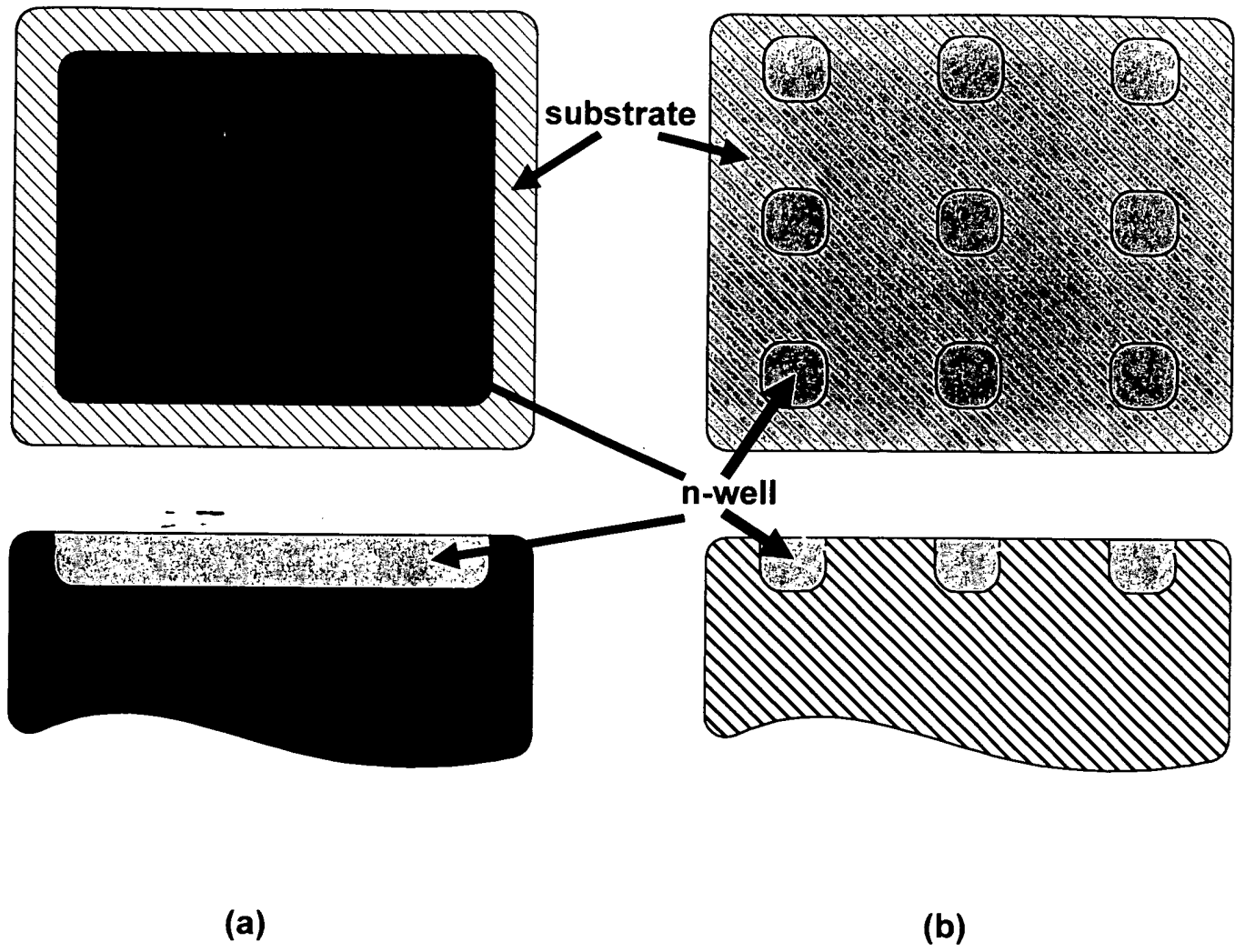


FIG. 39

002T60" T8509960

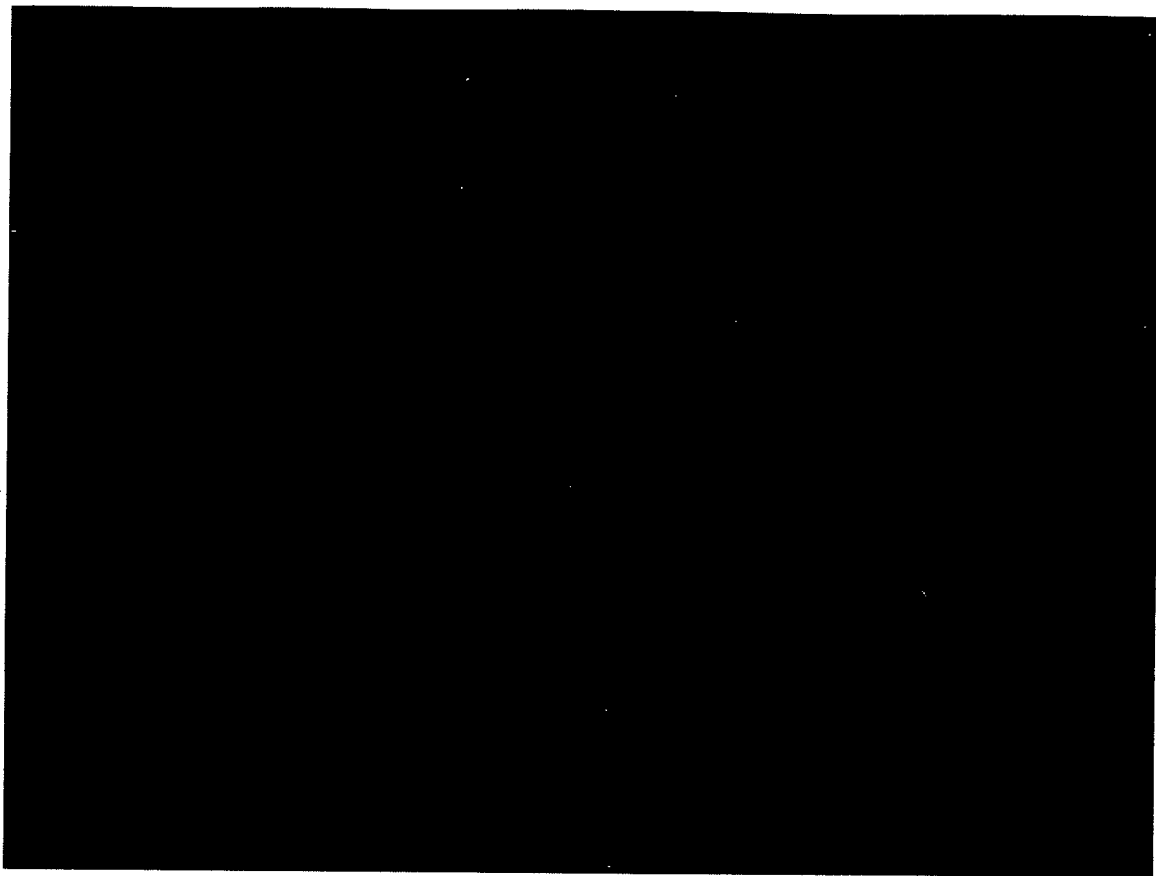


FIG. 40

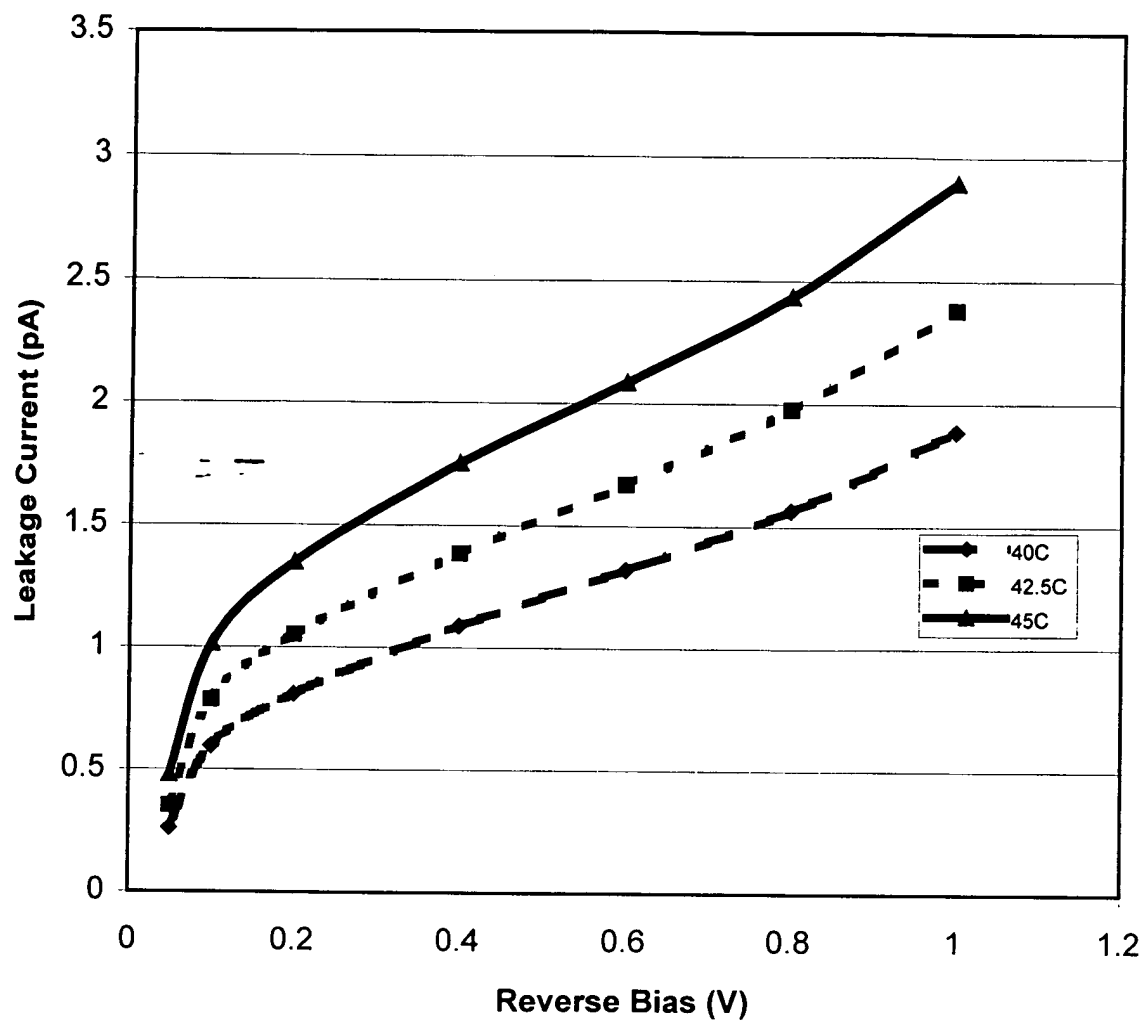


FIG. 41

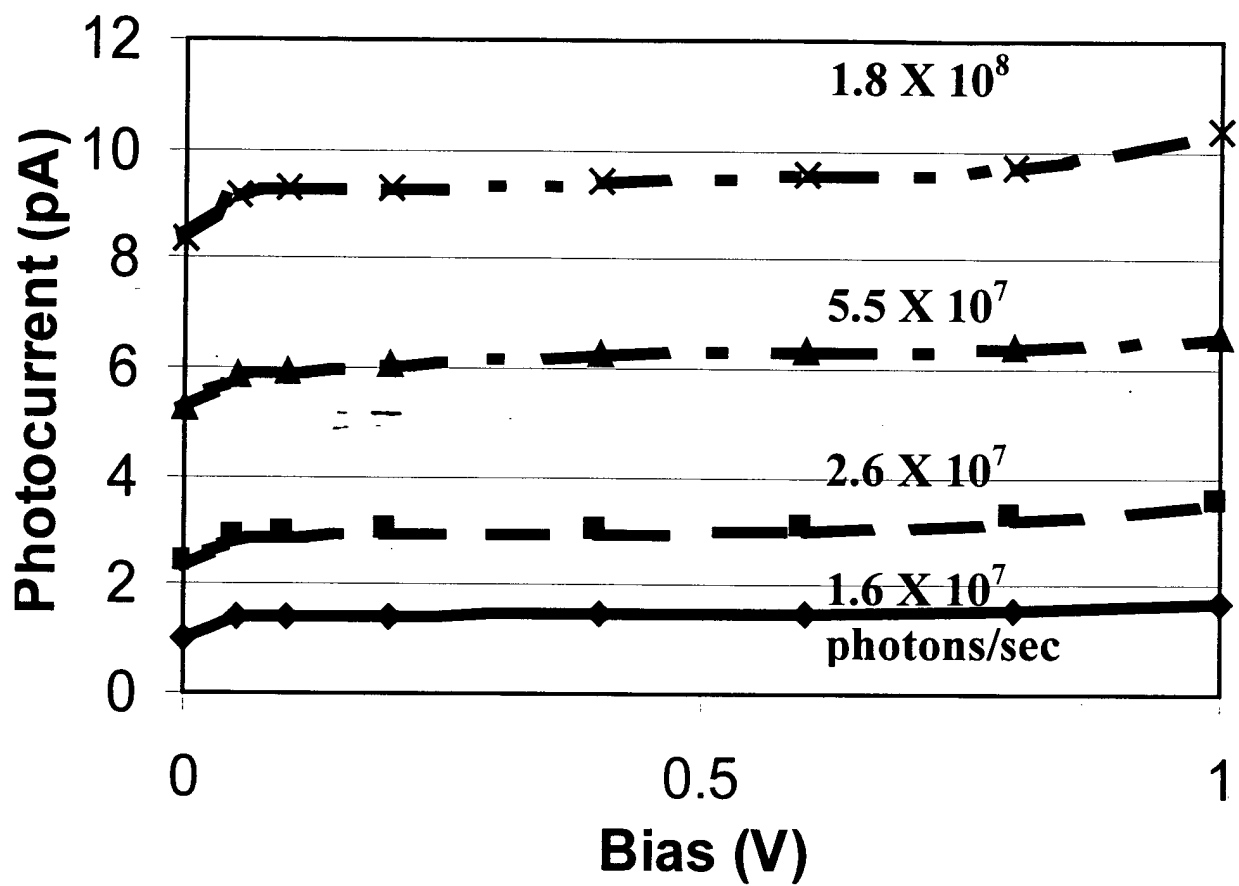


FIG. 42

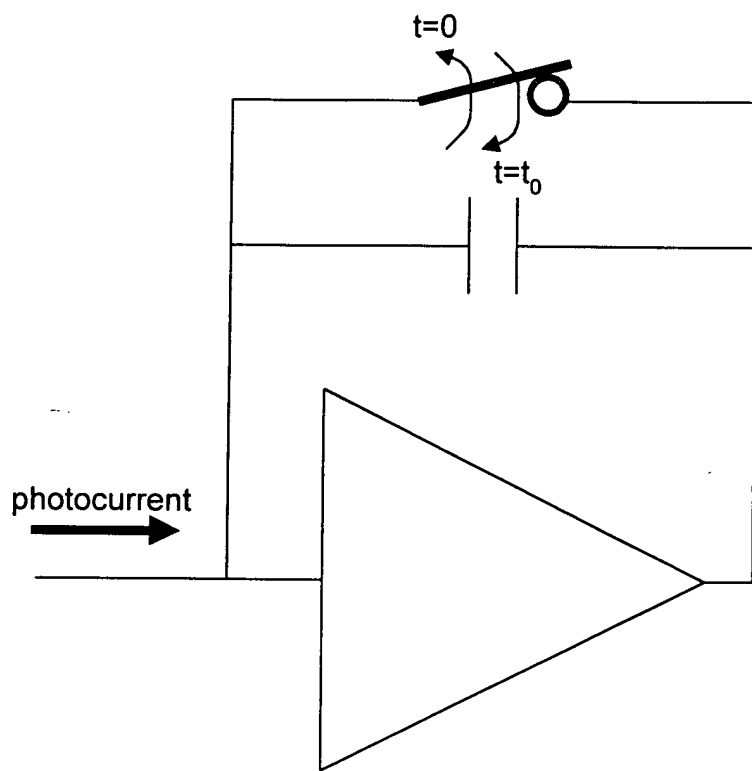


FIG. 43

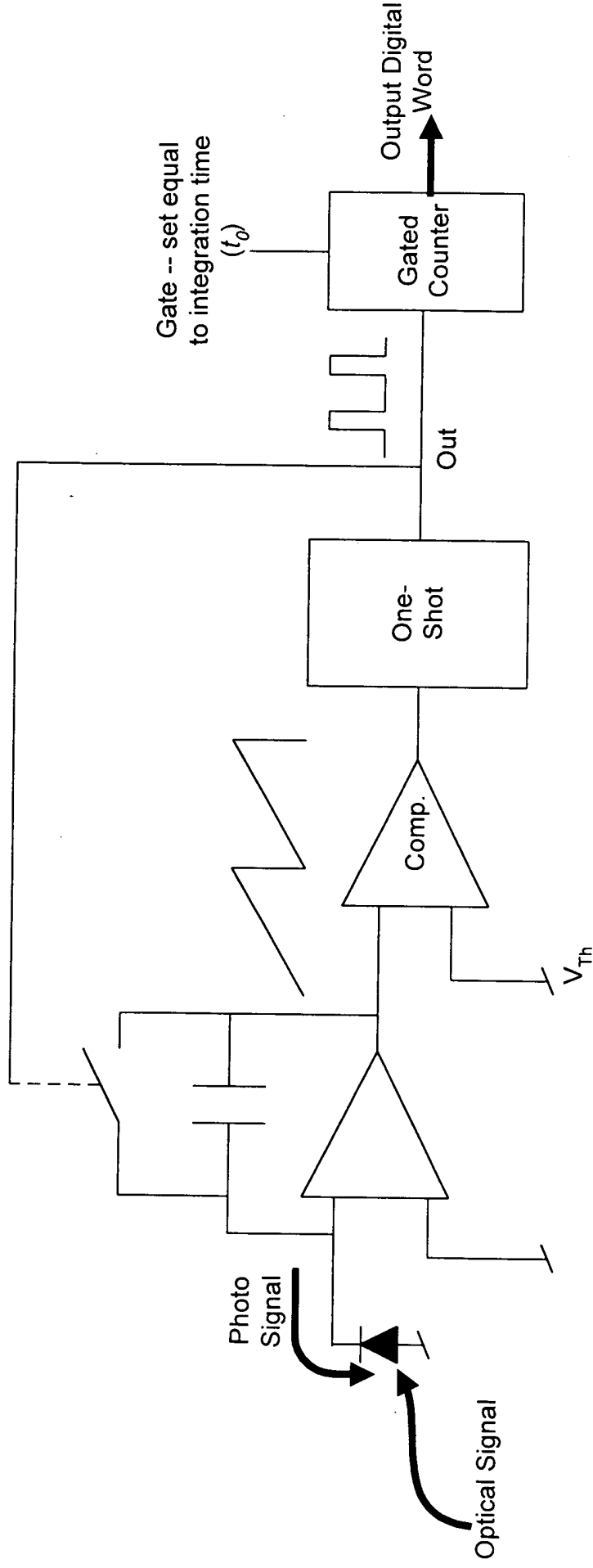


FIG. 44

002T60" TBS09960

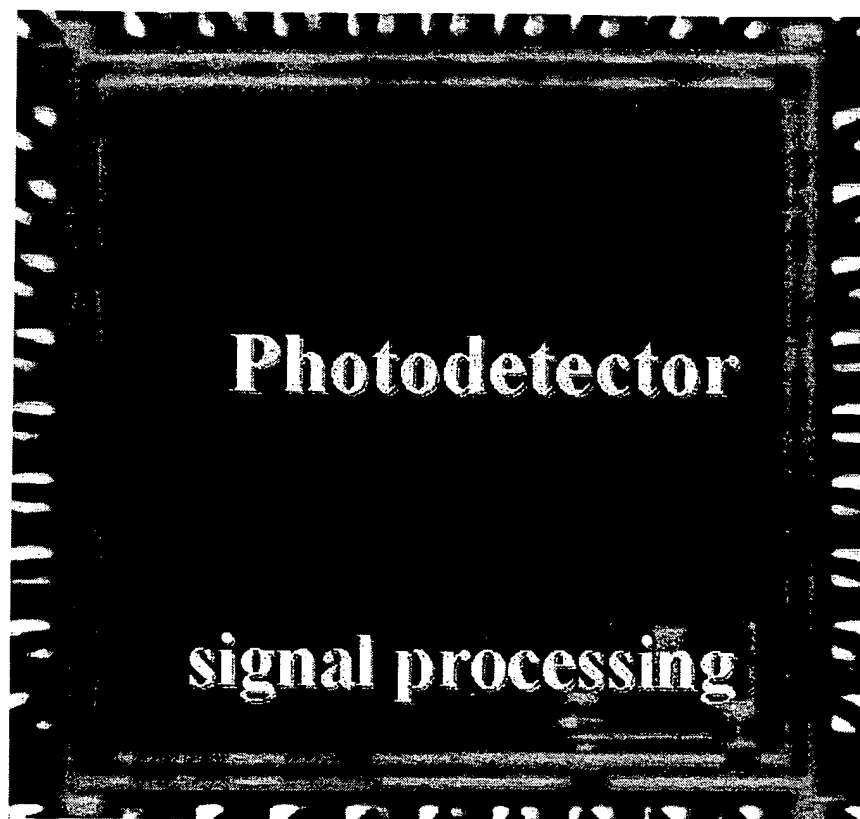


FIG. 45

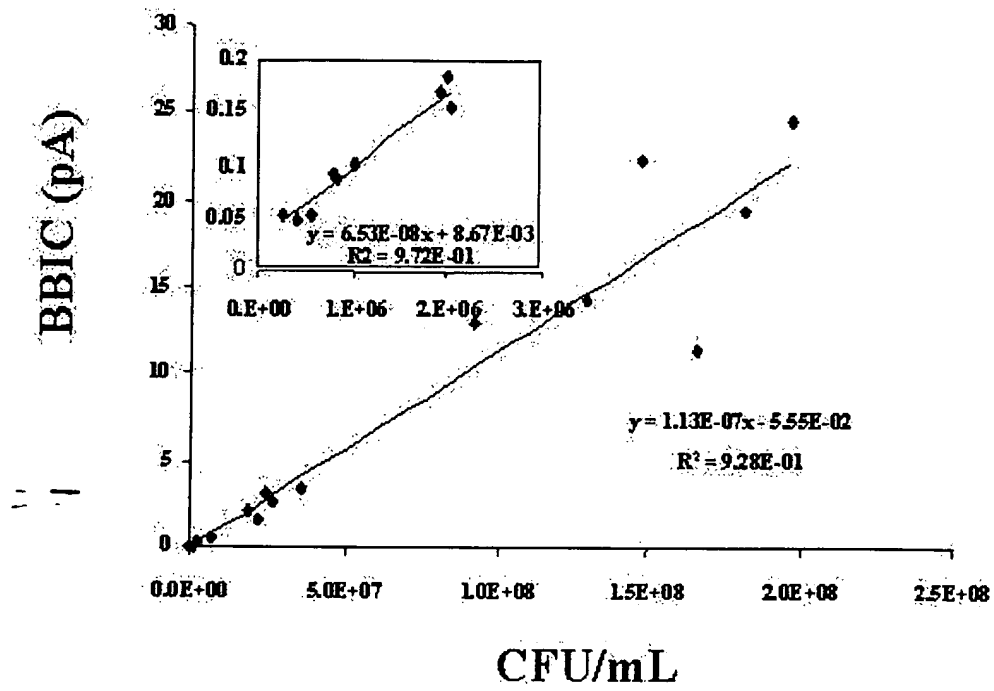


FIG. 46

002T60" T8509960

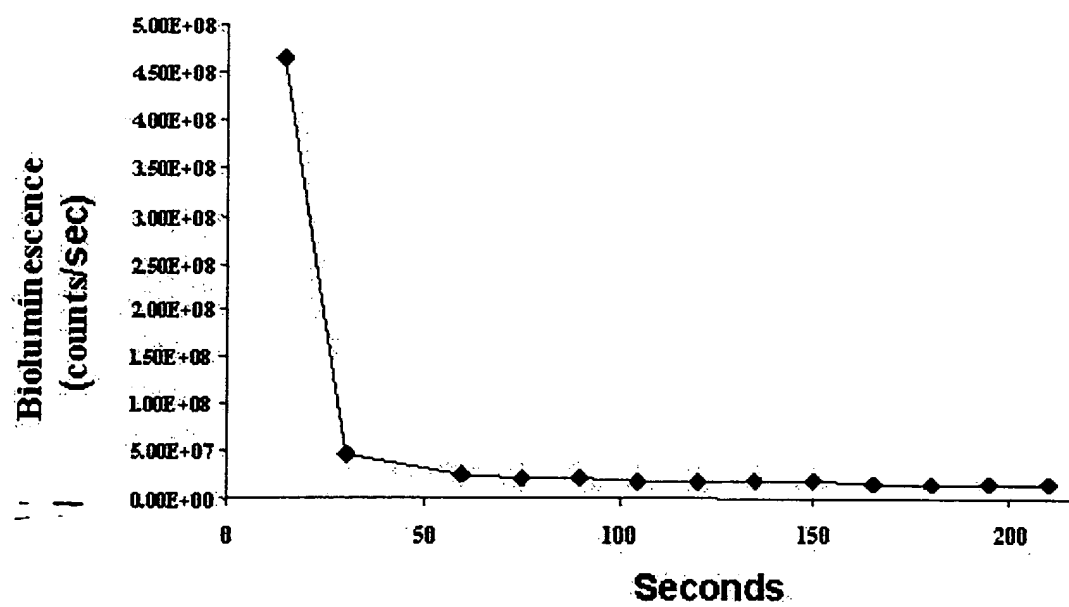


FIG. 47

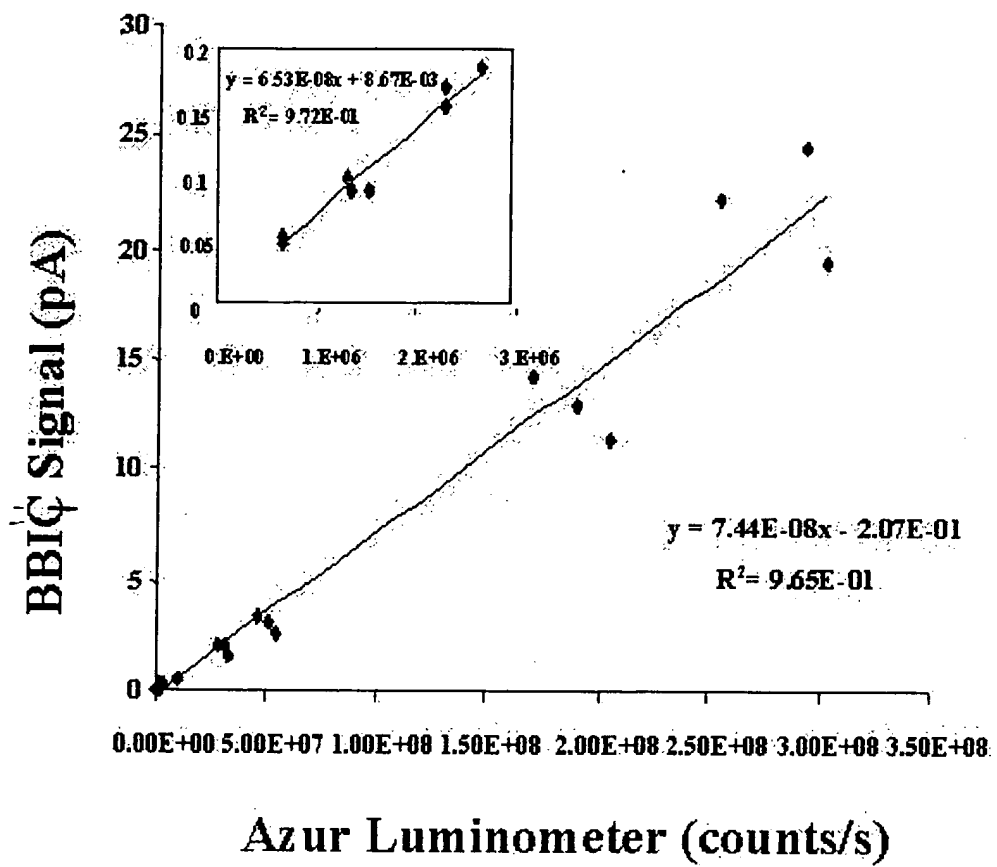


FIG. 48

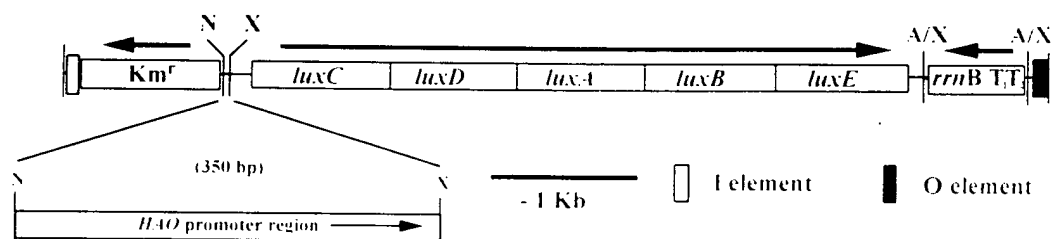


FIG. 49

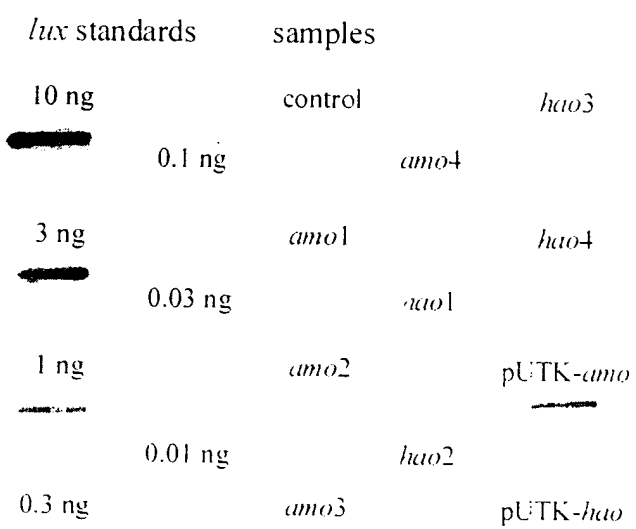


FIG. 50

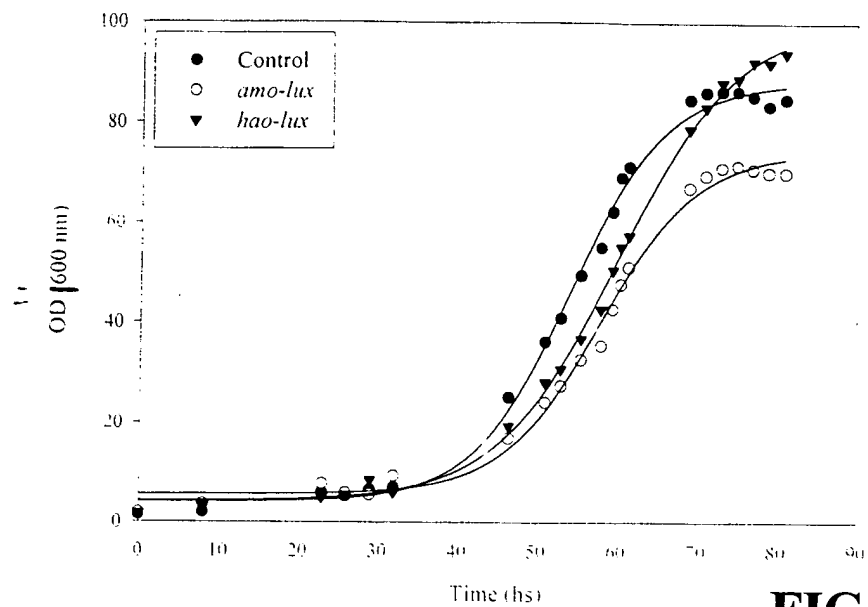


FIG. 51A

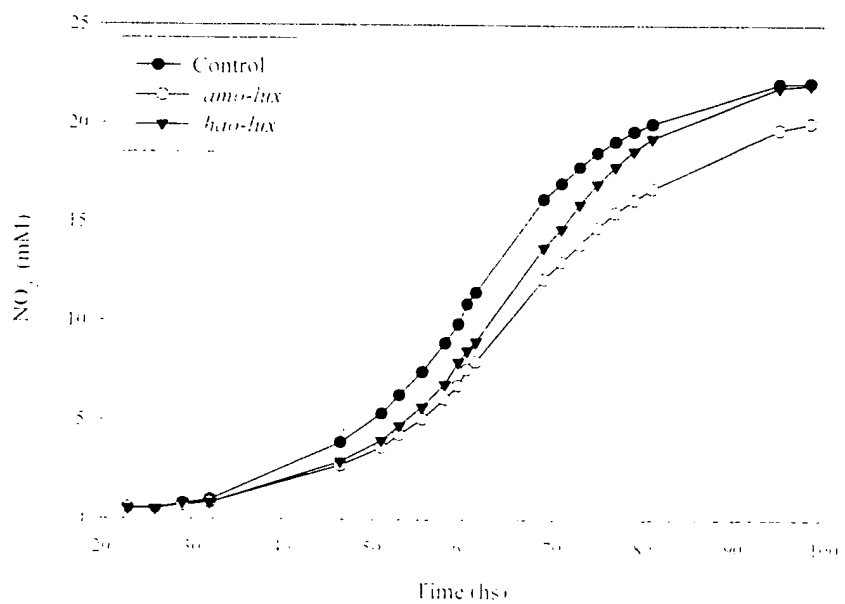


FIG. 51B

FIG. 52A

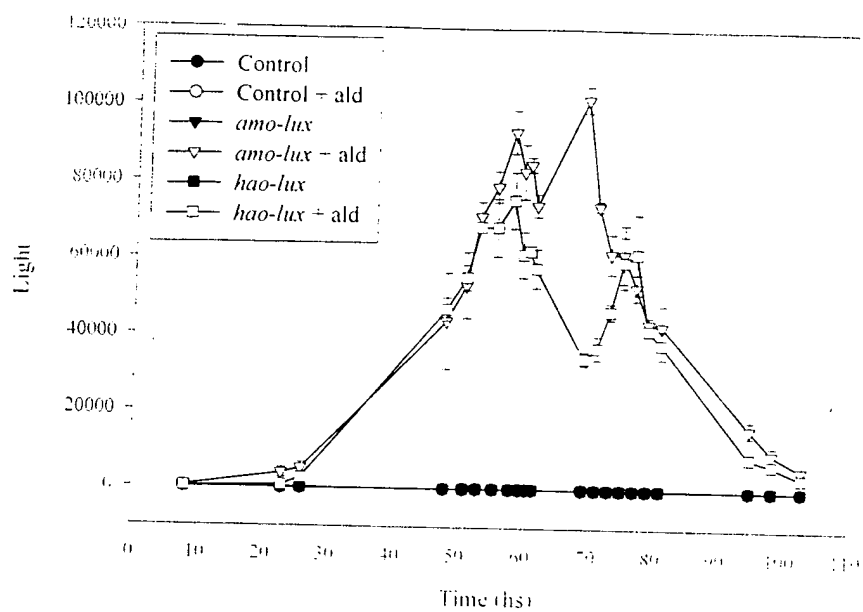
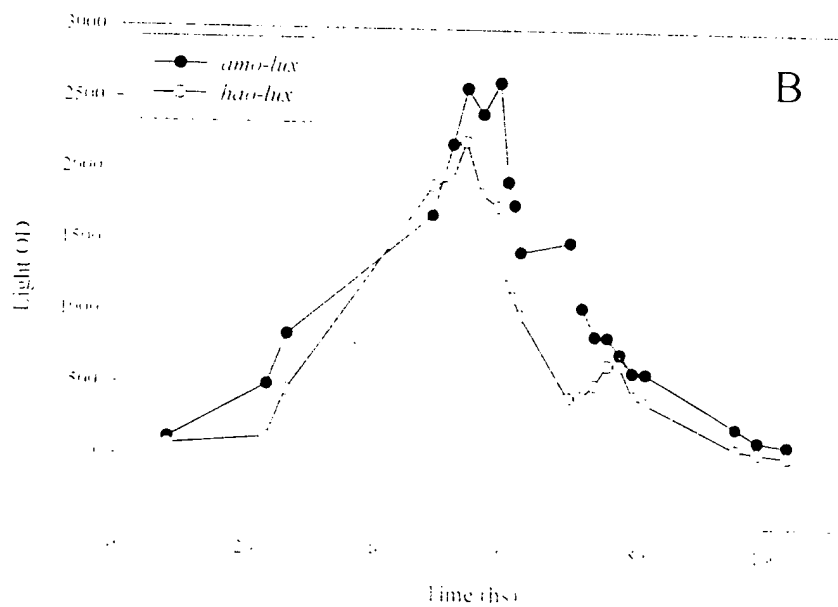


FIG. 52B



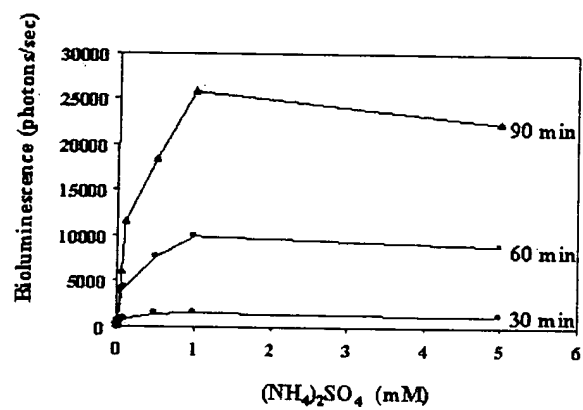


FIG. 53

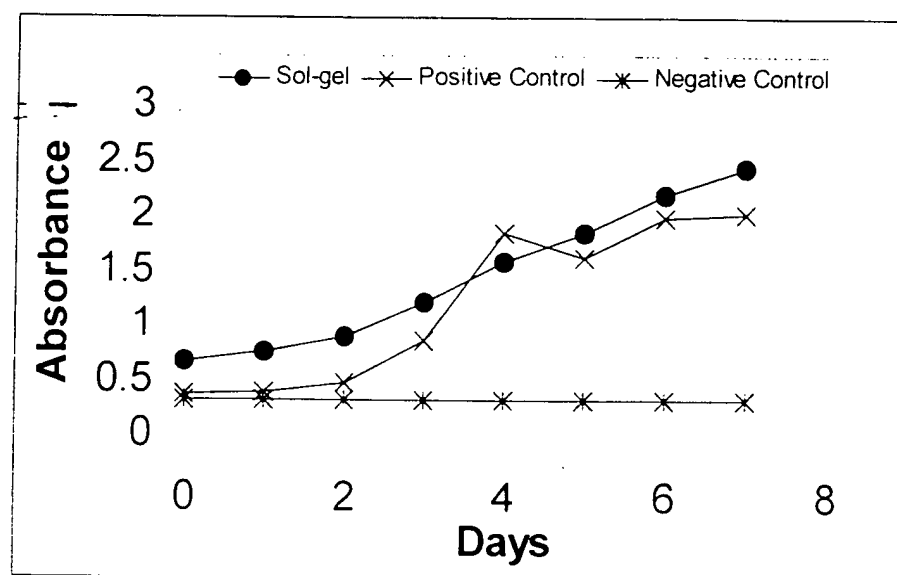


FIG. 54

002150" T8509960

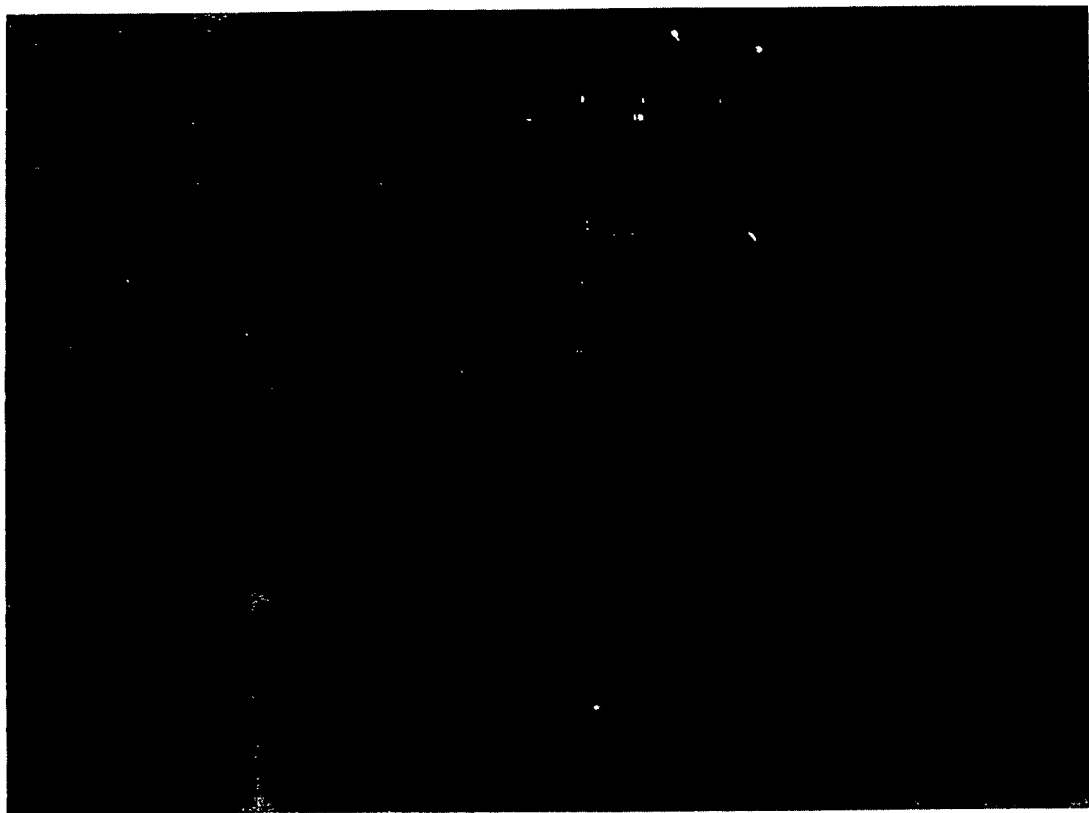


FIG. 55

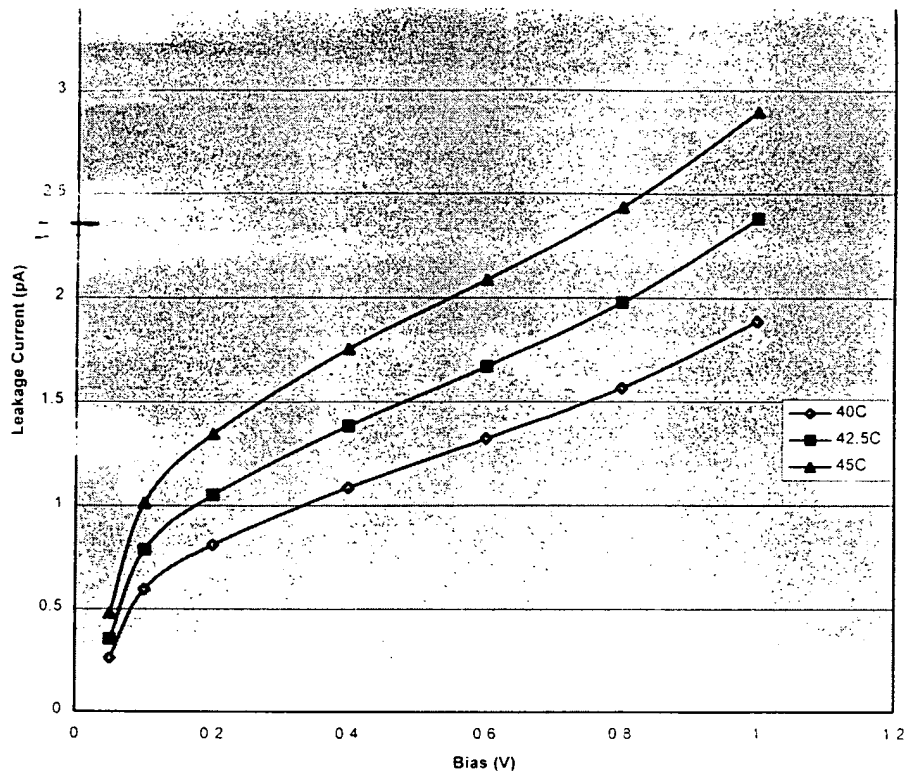


FIG. 56

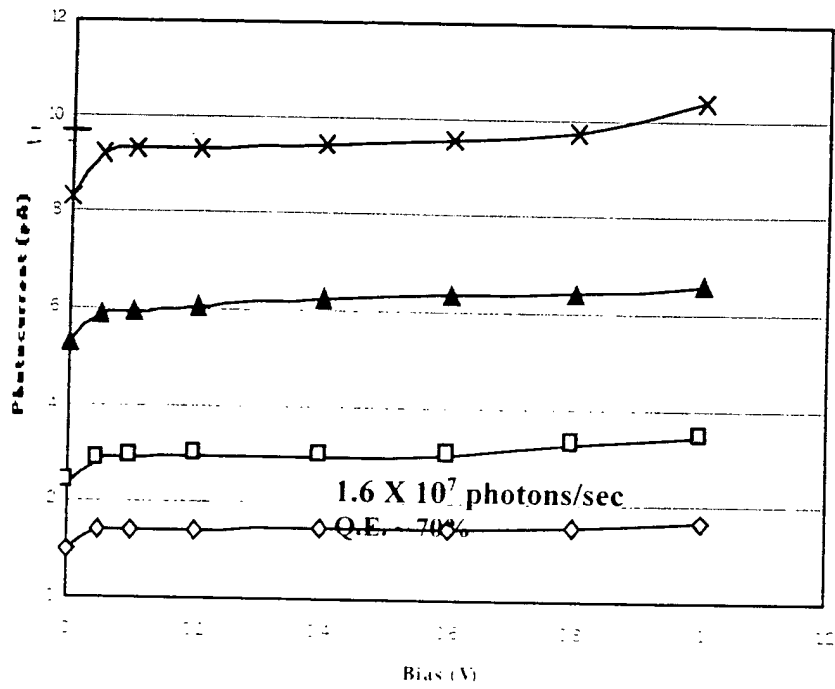


FIG. 57

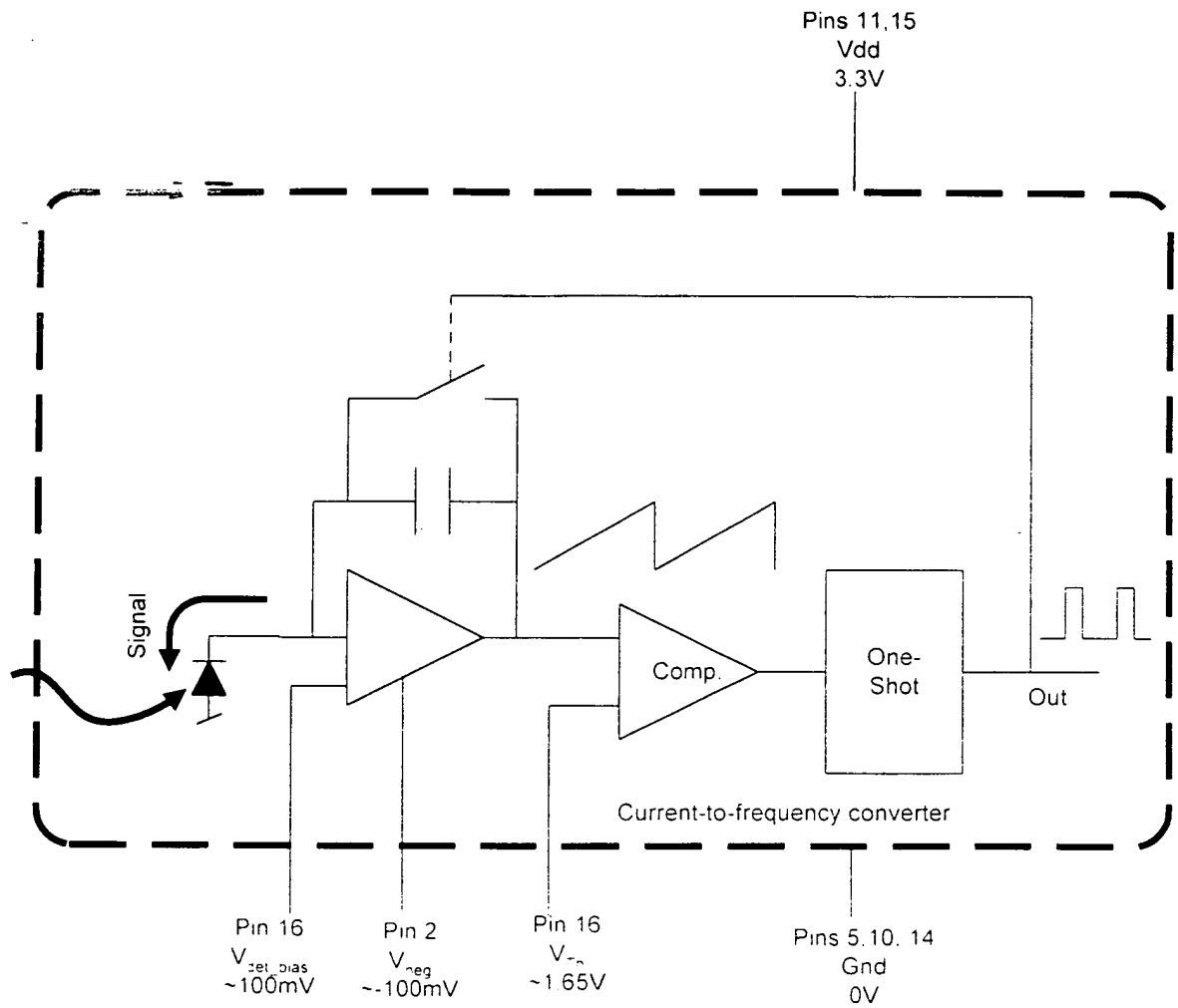


FIG. 58